

Neva Pavilion

710 ROME STREET | CARROLLTON, GA 30180



RICKMAN
ARCHITECTURE +
DESIGN

224 W MONTGOMERY ST
VILLA RICA, GA 30180
radga.com
678 282 7974

PROJECT

Neva Pavilion

710 ROME STREET
CARROLLTON, GA 30180

CLIENT

WGRLS

124 W CHANDLER STREET
CARROLLTON, GA 30117

#	DATE	DESCRIPTION

DRAWN BY: MR
REVIEWED BY: MR

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PROFESSIONAL STAMP



JOB #

21124

PHASE

Bid Documents

DATE

03/10/2023

SHEET TITLE

Cover Sheet

G000



PROJECT INFORMATION

This project is a new outdoor pavilion located near the Neva Lomason Memorial Library parking lot and will serve as outdoor gathering space for programs by the library.

CODE ANALYSIS

APPLICABLE CODES

International Building Code, 2018 Edition, with Georgia Amendments (2020)

International Fire Code, 2018 Edition, with Georgia Amendments (2020)

International Plumbing Code, 2018 Edition, with Georgia Amendments (2020)

International Mechanical Code, 2018 Edition, with Georgia Amendments (2020)

International Fuel Gas Code, 2018 Edition, with Georgia Amendments (2020)

National Electrical Code, 2020 Edition (No Georgia Amendments)

International Energy Conservation Code, 2015 Edition, with Georgia Supplements and Amendments (2020)

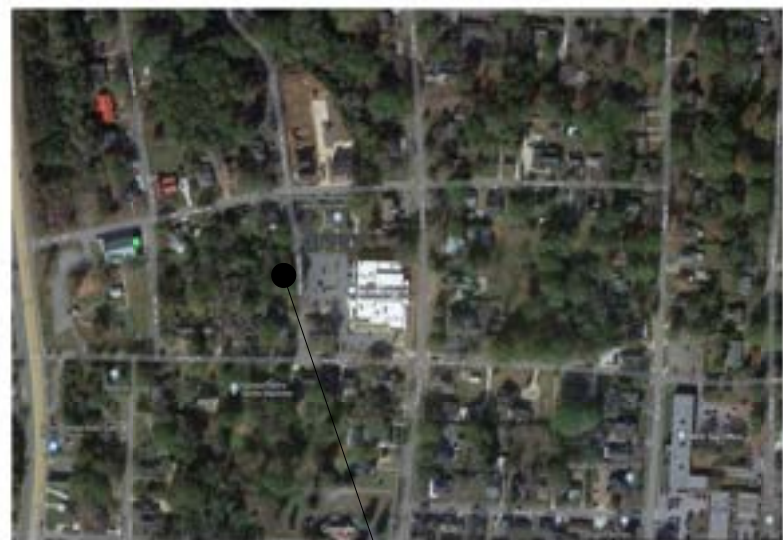
Georgia Accessibility Code 120-3-20 (.01-.08)

NFPA 101 - Life Safety Code 2018 Edition with State Amendments (2013)

DRAWING INDEX

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E002	Electrical Utility Plan	03/11/23
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E201	Electrical Specifications	03/11/23

VICINITY MAP

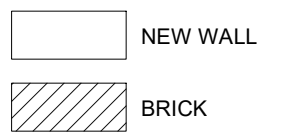


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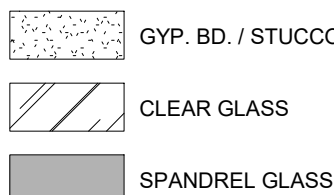


HATCH LEGEND

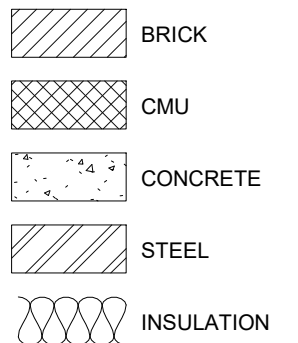
PLAN:



ELEVATION:



SECTION:



SYMBOLS LEGEND

ROOM NUMBER	XXX	DOOR NUMBER	XX
WINDOW TAG	X	COLUMN GRID	XX
WALL TYPE	X1		
CEILING ELEVATION TAG	0' - 0"		
ELEVATION TAG	XXX	SHEET NO.	
SECTION TAG	X	DRAWING NO.	
	XXX	SHEET NO.	
DETAIL TAG	X	DRAWING NO.	
	XXX	SHEET NO.	

GENERAL NOTES

1. THE GENERAL CONTRACTOR IS RESPONSIBLE TO SUPPLY ALL SUBCONTRACTORS WITH CONSTRUCTION DRAWINGS AND SPECIFICATIONS NECESSARY TO BID AND/OR CONSTRUCT THIS PROJECT.
2. ALL DIMENSIONS ON THE FLOOR PLANS, UNLESS OTHERWISE NOTED, ARE TAKEN FROM FACES OF STUDS OF EXTERIOR WALLS AND INTERIOR WALLS.
3. THE OWNER SHALL BE RESPONSIBLE FOR NOTIFYING THE GENERAL CONTRACTOR OF ANY ADDITIONAL ITEMS TO BE INSTALLED THAT ARE NOT SHOWN ON THE DRAWINGS.
4. ANY PENETRATIONS OF, OR MODIFICATIONS TO CONCRETE MUST BE COORDINATED WITH ARCHITECT PRIOR TO CONSTRUCTION.
5. IN ACCORDANCE WITH GENERALLY ACCEPTED CONSTRUCTION PRACTICES, THE CONTRACTOR WILL BE SOLELY AND COMPLETELY RESPONSIBLE FOR CONDITIONS OF THE JOB SITE, INCLUDING SAFETY OF ALL PERSONS AND PROPERTY DURING PERFORMANCE OF WORK. THIS REQUIREMENT WILL APPLY CONTINUOUSLY AND SHALL NOT BE LIMITED TO NORMAL WORKING HOURS. THE CONTRACTOR SHALL TAKE ALL NECESSARY PRECAUTIONS TO INSURE THE SAFETY OF THE PUBLIC AND/OR WORK PERSONS ON THE JOB AND TO PREVENT ACCIDENTS OR INJURY TO ANY PERSON ON, ABOUT OR ADJACENT TO THE PREMISES. THE CONTRACTOR SHALL COMPLY WITH ALL LAWS, ORDINANCES, CODES, RULES AND REGULATIONS RELATIVE TO SAFETY AND THE PREVENTION OF ACCIDENTS.
6. WHETHER OR NOT SPECIFICALLY INDICATED ON THE DRAWINGS, ALL CONTRACTORS SHALL BE RESPONSIBLE FOR REMOVING OR DEMOLISHING EXISTING CONSTRUCTION (INCLUDING UTILITIES) WHICH WILL INTERFERE WITH NEW WORK.
7. PRIOR TO THE SHUT-DOWN OR TYING INTO ANY UTILITY, APPROVAL SHALL BE OBTAINED FROM THE OWNER'S REPRESENTATIVE.
8. COORDINATE WITH OWNER'S REPRESENTATIVE, LOCATION OF CONTRACTORS' EQUIPMENT AND MATERIAL STORAGE.
9. ALL MECHANICAL WORK SHALL BE PERFORMED BY A LICENSED MECHANICAL CONTRACTOR AND IN ACCORDANCE WITH ALL APPLICABLE CODES AND STANDARDS.
10. ALL PLUMBING WORK SHALL BE PERFORMED BY A LICENSED PLUMBING CONTRACTOR ALL IN ACCORDANCE WITH ALL APPLICABLE CODES AND STANDARDS.
11. ALL ELECTRICAL WORK SHALL BE PERFORMED BY A LICENSED ELECTRICAL CONTRACTOR AND IN ACCORDANCE WITH ALL APPLICABLE CODES AND STANDARDS.
12. ALL STRUCTURAL FRAMING WORK SHALL BE PERFORMED IN ACCORDANCE WITH ALL APPLICABLE CODES AND STANDARDS.

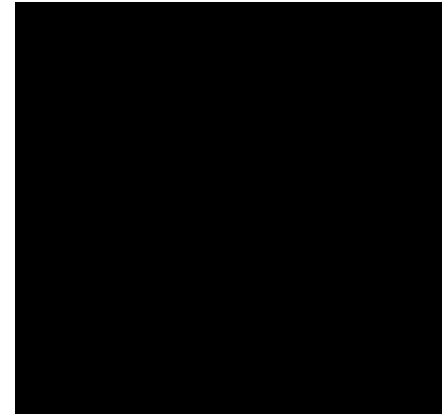


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ENGINEERING • LAND SURVEYING • LAND PLANNING

105 CORPORATE DRIVE
CARROLLTON, GA. 30117

OFFICE (770) 834-4694
FAX (770) 834-1005
E-MAIL: mailbox@georgiaandwest.com



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REVIEWED BY: JDB

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PROFESSIONAL STAMP



JOB #

220232A

PHASE

Bid Documents

DATE

03/15/2023

SHEET TITLE

TOPOGRAPHIC
SURVEY

A

C-1.0



Know what's below.
Call before you dig.

LAST DATE OF FIELD WORK: JANUARY 19, 2023

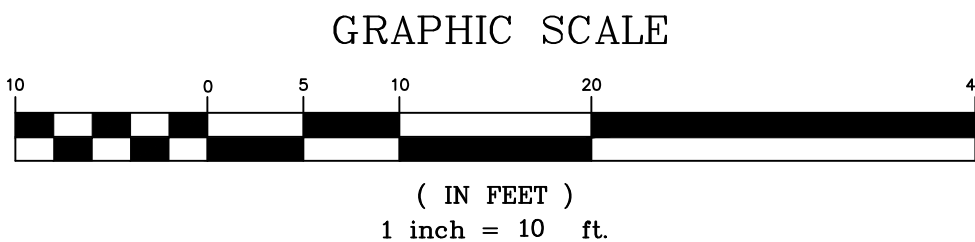
THE F.I.R.M. MAP NUMBER 13045C0254D EFFECTIVE
DATE 09/19/2007 INDICATES THIS PROPERTY IS NOT LOCATED IN A
DESIGNATED FLOOD HAZARD AREA.

TREE LEGEND			
BE = BOXELDER	CW = COTTONWOOD	MA = MAPLE	PO = POPLAR
BG = BLACK GUM	CY = CYPRESS	MG = MAGNOLIA	RB = REDBUD
BH = BEECH	DW = DOGWOOD	MI = MIMOSA	SG = SWEETGUM
BI = BIRCH	EM = ELM	O = OAK	SM = SYCAMORE
C = CEDAR	GI = GINKO	PC = PECAN	SW = SOURWOOD
CH = CHERRY	HB = HACKBERRY	PE = PEAR	UK = UNKNOWN
CM = CREPE MYRTLE	HK = HICKORY	PI = PINE	WA = WALNUT

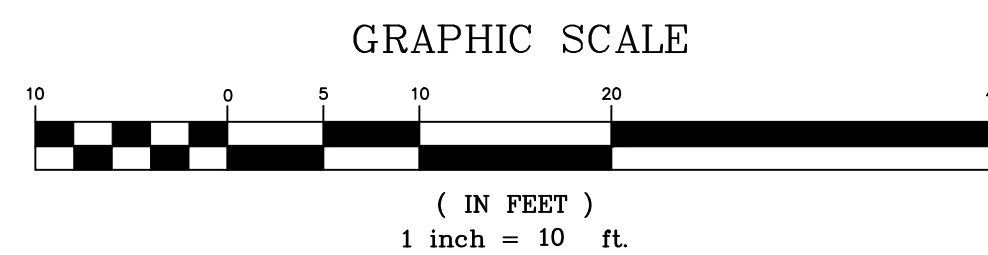
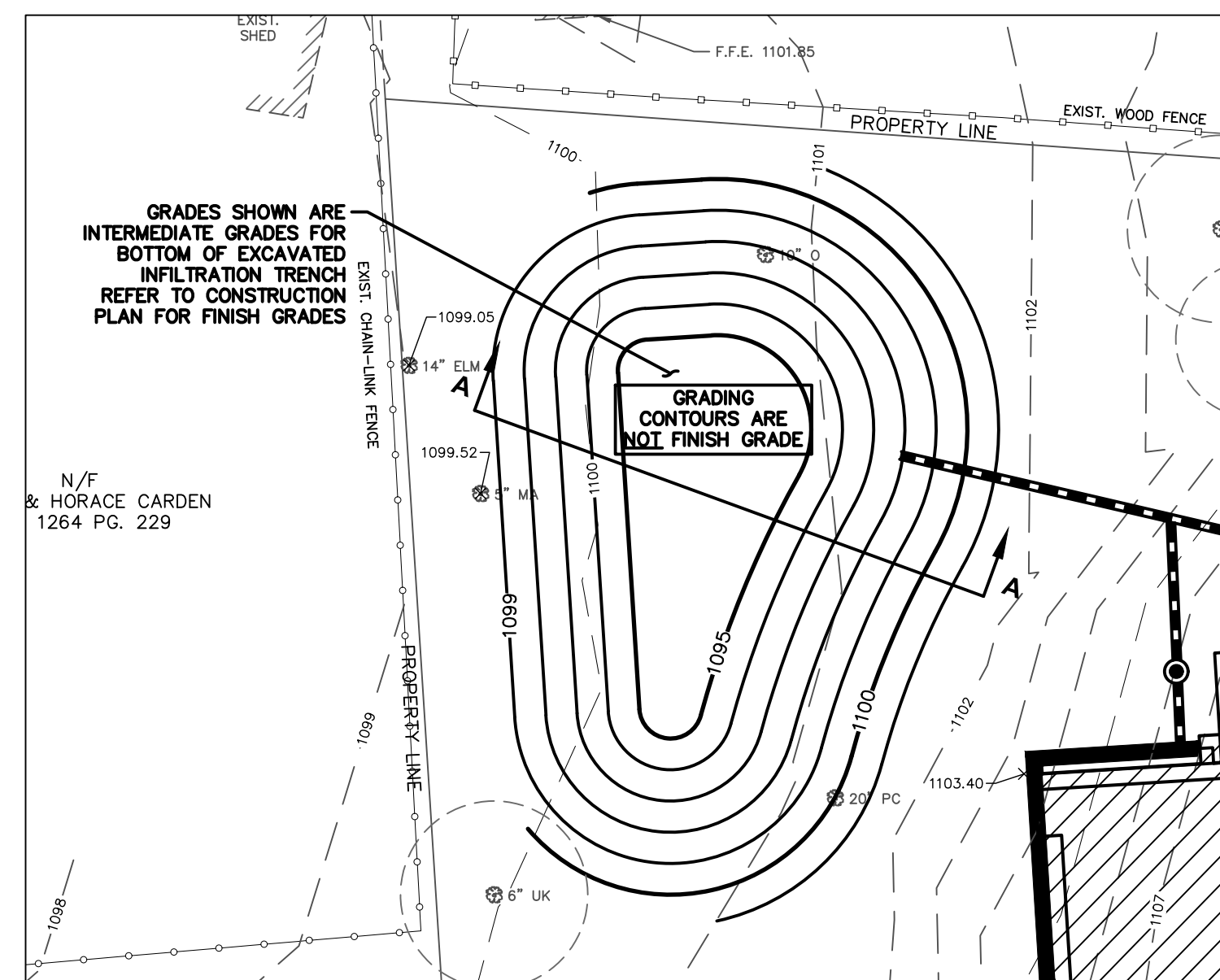
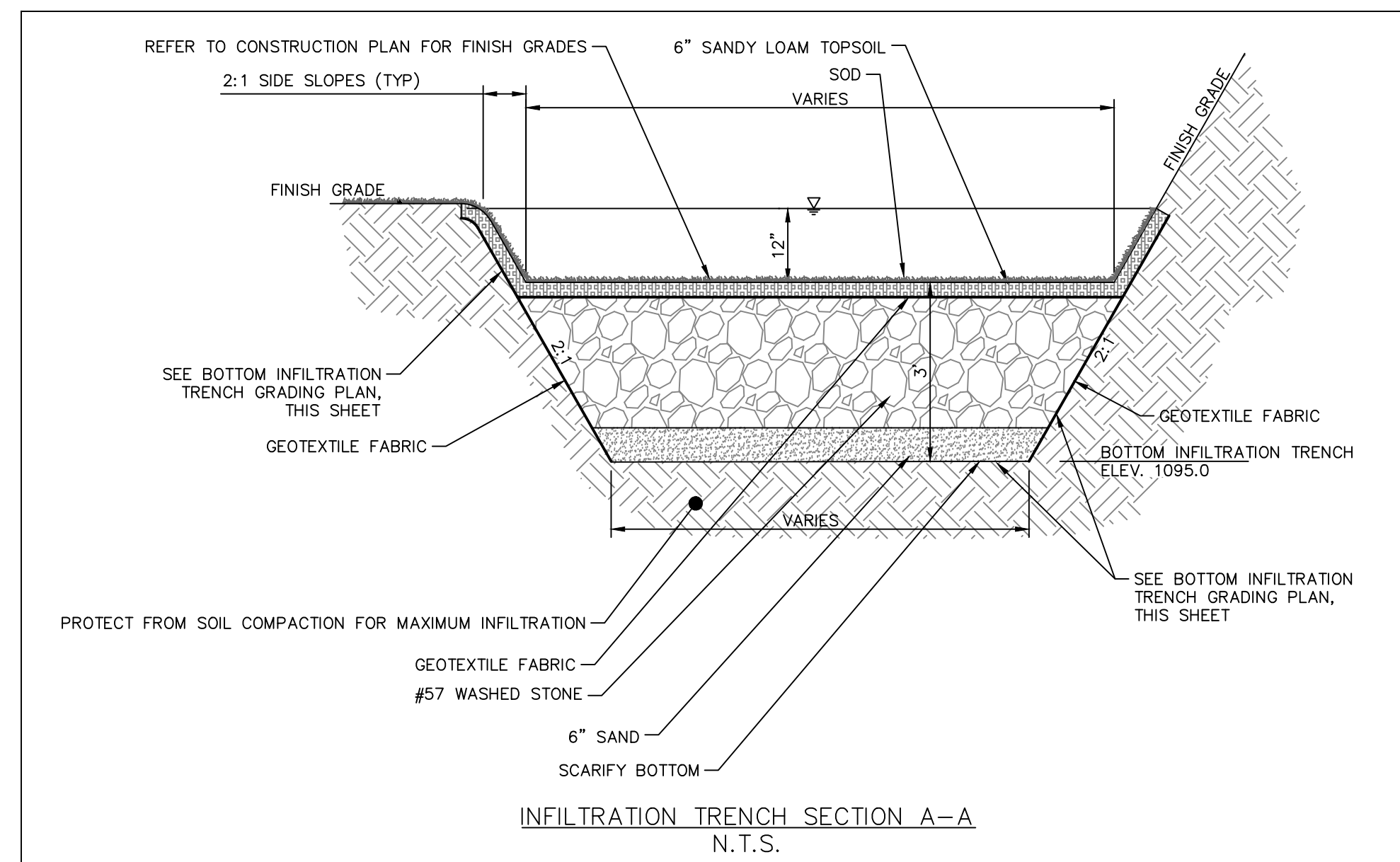
LEGEND		
	OVERGROUND DOWNSPOUT	—SB— SEDIMENT BARRIER
	WATER VALVE	—TP— TREE PROTECTION FENCE
	GAS VALVE	—O—O— CHAIN LINK FENCE
	HANDICAPPED PARKING	—X—X— EXISTING FENCE
	TRAFFIC FLOW	—P/L— PROPERTY LINE
	UNDERGROUND POWER	—100— EXISTING CONTOUR
	OVERHEAD POWER	—100— PROPOSED CONTOUR
	UNDERGROUND TELEPHONE	—100— EXISTING CURB & GUTTER
	OVERHEAD TELEPHONE	—100— PROPOSED CURB & GUTTER
	WATER	X 1010 EXISTING SPOT ELEVATION
	SANITARY SEWER	1010 PROPOSED SPOT ELEVATION
	FORCE MAIN	EXISTING WATER METER
	GAS	MAILBOX
	STORM DRAIN	GAS METER
		POWER METER

AREA:
0.22 ACRE

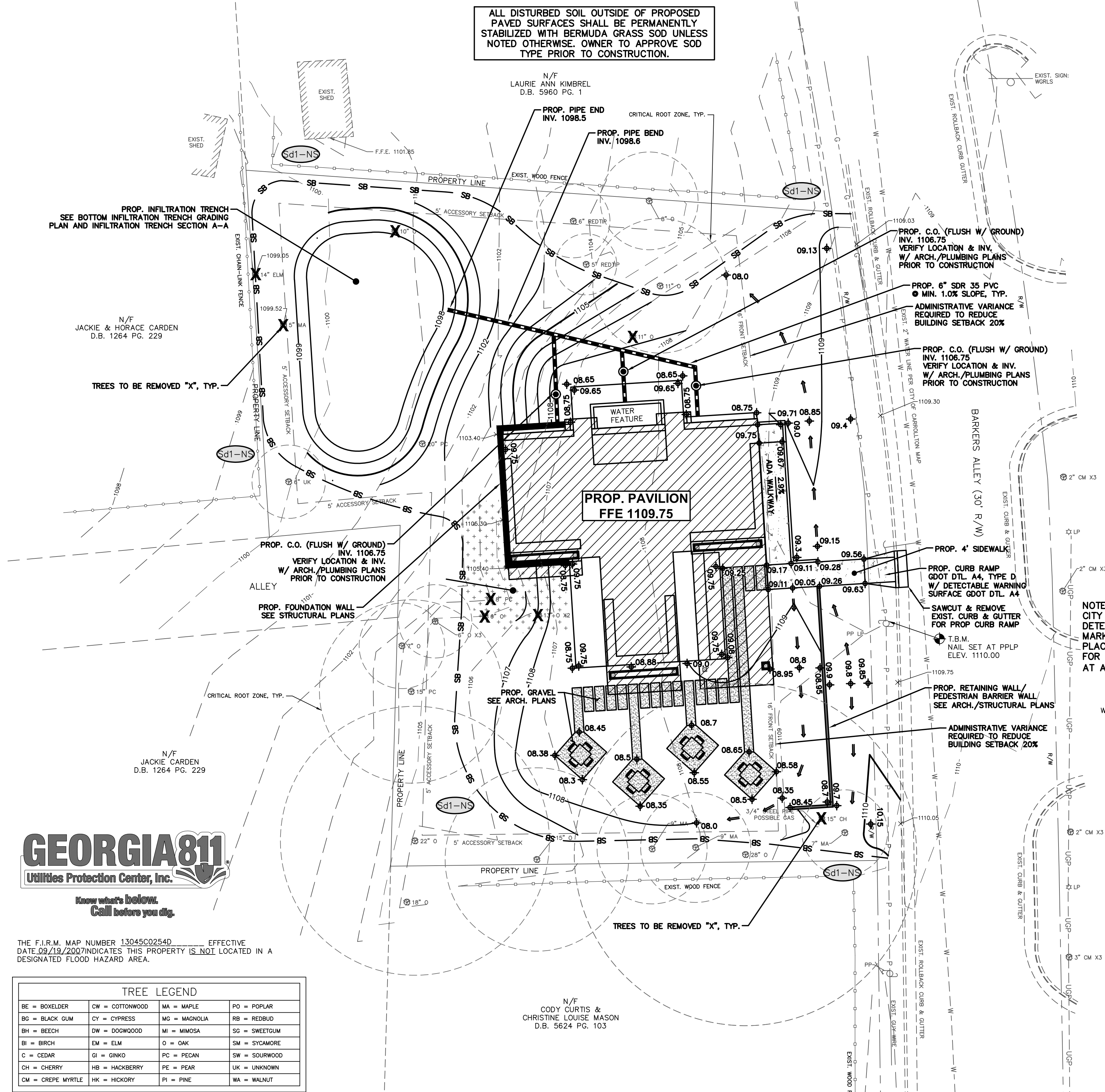
Parcel Line Table		
Line #	Length	Direction
L1	46.43'	S06° 36' 22"E
L2	7.50'	S02° 35' 57"E
L3	7.50'	S02° 35' 57"E
L4	45.00'	S01° 43' 06"E
L5	7.53'	N01° 35' 41"E
L6	7.53'	N01° 35' 41"E
L7	1.61'	N86° 08' 06"E
L8	19.86'	N84° 45' 30"E












































- CONSTRUCTION NOTES
1. READ AND REVIEW ALL ASSOCIATED SHEETS "CONSTRUCTION AND DETAIL SHEETS" BEFORE COMMENCEMENT OF ANY WORK ON SITE.
 2. CONTRACTOR TO FIELD VERIFY ALL DIMENSIONS PRIOR TO CONSTRUCTION.
 3. CONTRACTOR TO HAVE WRITTEN APPROVAL PRIOR TO EXECUTING CHANGE ORDERS.
 4. CONSTRUCTION & MATERIALS WILL COMPLY WITH THE APPROPRIATE GOVERNING AUTHORITY'S STANDARDS & SPECIFICATIONS.
 5. COMPACTION STANDARDS:
 - 5.A. ALL FILL TO BE COMPACTED TO 95% STANDARD PROCTOR.
 - 5.B. THE TOP 2' OF ALL AREAS TO RECEIVE PAVEMENT OR STRUCTURES SHALL BE COMPACTED TO 100% STANDARD PROCTOR DENSITY.
 6. POWER SERVICE IS TO BE DESIGNED AND INSTALLED BY THE APPROPRIATE SERVING UTILITY COMPANY.
 7. IF SITE PLANS CONFLICT WITH CITY OF CARROLLTON STANDARDS, SPECIFICATIONS, ORDINANCES, MAYOR AND CITY COUNCIL/PLANNING COMMISSION REQUIREMENTS OR VARIANCES APPROVED BY THE BOARD OF DEVELOPMENT APPEALS THE LATTER SHALL GOVERN.



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CM = CREPE MYRTLE	HK = HICKORY	PI = PINE	WA = WALNUT

LEGEND					
	1033 CATCH BASIN		OVERHEAD DOWNSPOUT		SEDIMENT BARRIER
	1034 CATCH INLET		WATER VALVE		TREE PROTECTION FENCE
	1035 DRAIN INLET		GAS VALVE		CHAIN LINK FENCE
	1014 JUNCTION BOX		HANDICAPPED PARKING		EXISTING FENCE
	1019A TYPE E CURB INLET		TRAFFIC FLOW		PROPOSED LINE
	1125 HEADWALL		UNDERGROUND POWER		EXISTING CONTOUR
	DRAINAGE SLOPE		OVERHEAD POWER		PROPOSED CURB & GUTTER
	SEWER MANHOLE		UNDERGROUND TELEPHONE		EXISTING CURB & GUTTER
	EXISTER FIRE HYDRANT		OVERHEAD TELEPHONE		PROPOSED SPOT ELEVATION
	PROPOSED FIRE HYDRANT		WATER		EXISTING WATER METER
	LAMP POST		SANITARY SEWER		IRRIGATION CONTROL VALVE
	GUY POLE		FORCE MAIN		MAILBOX
	UTILITY POLE		STORM DRAIN		GAS METER
	UNDERGROUND DOWNSPOUT				POWER METER

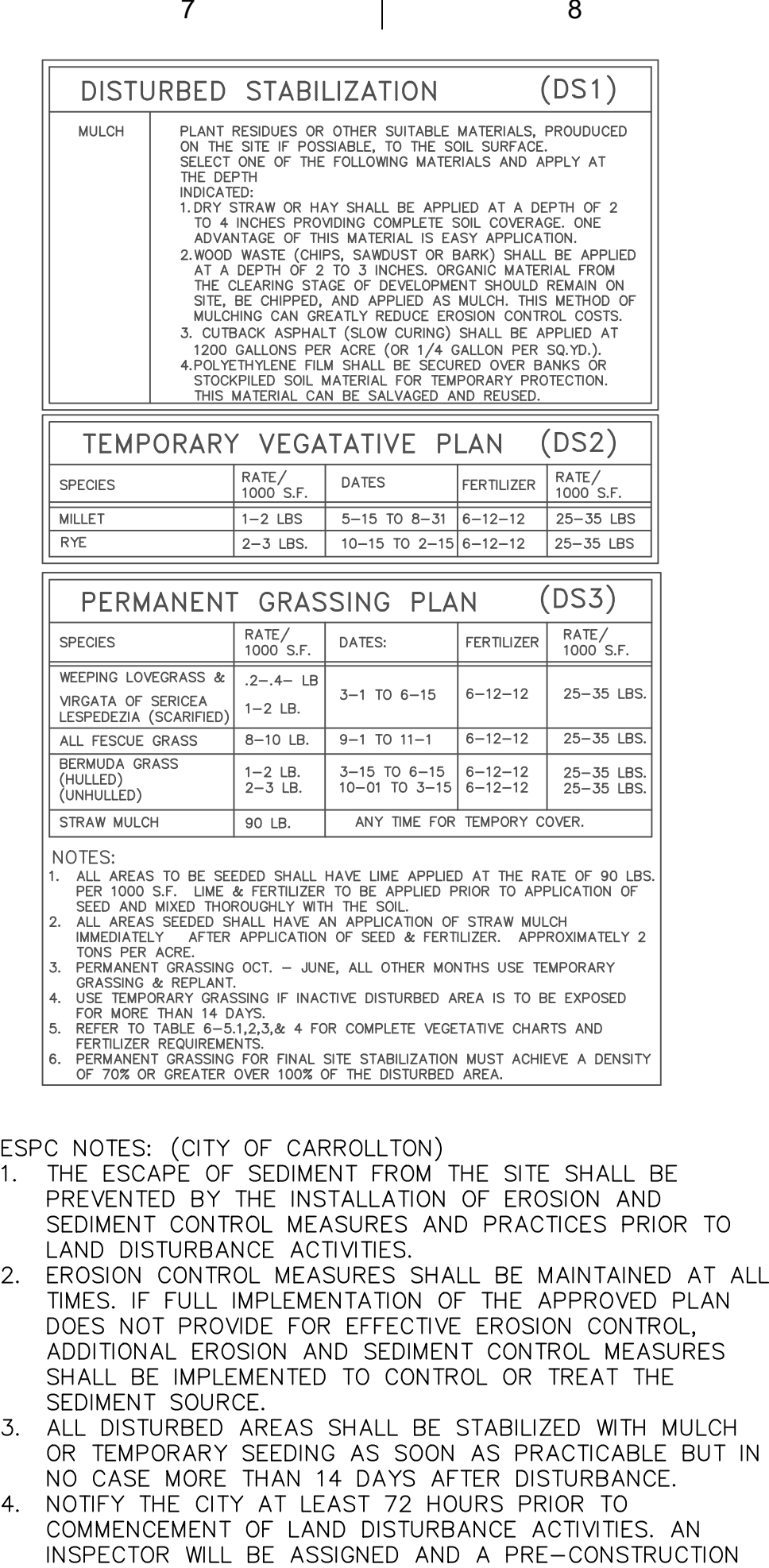
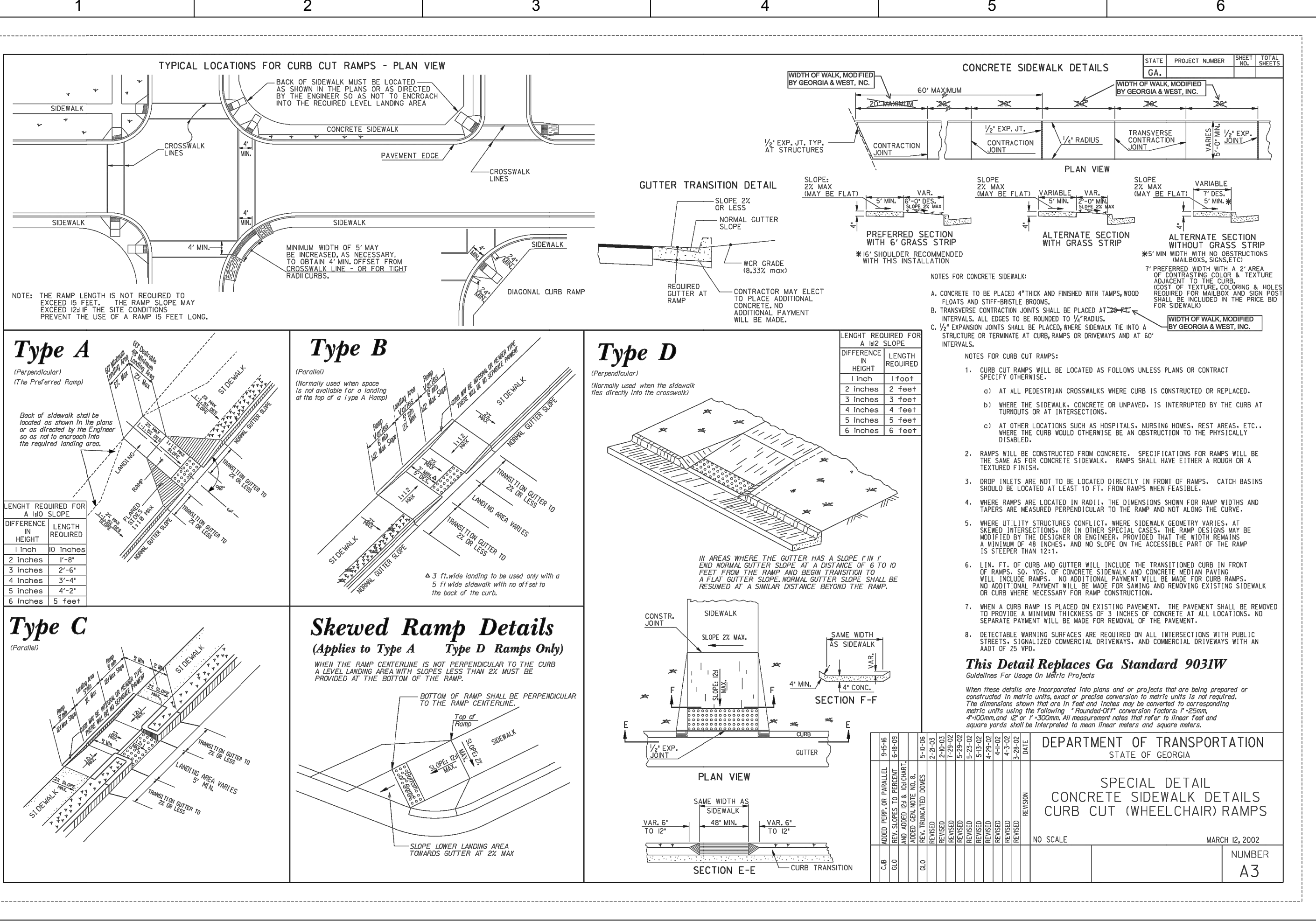
GRADING & DRAINAGE NOTES: (CITY OF CARROLLTON)

1. ALL STORMWATER CONSTRUCTION SHALL CONFORM TO THE CITY DESIGN AND CONSTRUCTION STANDARDS AND SPECIFICATIONS, LATEST EDITION.
2. NOTIFY THE CITY ENGINEERING DEPARTMENT AT LEAST 72 HOURS PRIOR TO THE BEGINNING OF LAND DISTURBANCE. A PRE-CONSTRUCTION MEETING WITH THE CITY UTILITY INSPECTOR IS REQUIRED BEFORE CONSTRUCTION WORK BEGINS.
3. "AS-BUILT" DRAWINGS SHALL BE FIELD VERIFIED AND STAMPED BY A PROFESSIONAL ENGINEER OR REGISTERED LAND SURVEYOR LICENSED IN THE STATE OF GEORGIA.
4. ALL CONTRACTORS FOR GRADING, EROSION CONTROL AND STORMWATER SYSTEM CONSTRUCTION SHALL BE APPROVED BY THE CITY.
5. CONTRACTORS HAVE RESPONSIBILITY TO COMPLY WITH EROSION CONTROL REQUIREMENTS OF THE LOCAL LAND DISTURBANCE PERMIT AND NPDES GENERAL PERMIT IF APPLICABLE.
6. THE CONTRACTOR SHALL COMPLY WITH ALL UTILITIES PROTECTION CENTER REQUIREMENTS.

CITY OF CARROLLTON, NOV. 2007

NOTES:

1. ALL DEMOLITION WASTE SHALL BE DISPOSED OFF-SITE TO A STATE-APPROVED LANDFILL OR OTHER APPROVED METHOD.
2. ALL EXISTING UNDERGROUND UTILITIES UNDER OR WITHIN 10' OF PROP. BUILDING TO BE REMOVED.
3. BUILDING FOOTPRINT IS APPROXIMATE. SEE ARCHITECTURAL PLANS FOR DIMENSIONS & DETAILS.
4. ALL SIDEWALKS SHALL HAVE A MINIMUM 1% AND A MAXIMUM 2% CROSS SLOPE.
5. DIMENSIONS ARE TO BACK OF CURB OR EDGE OF PAVEMENT UNLESS NOTED OTHERWISE.
6. ALL RETAINING WALLS OVER THIRTY (30) INCHES IN HEIGHT SHALL HAVE PEDESTRIAN GUARDRAIL (SEE ARCH. PLANS FOR DETAILS).



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PROJECT

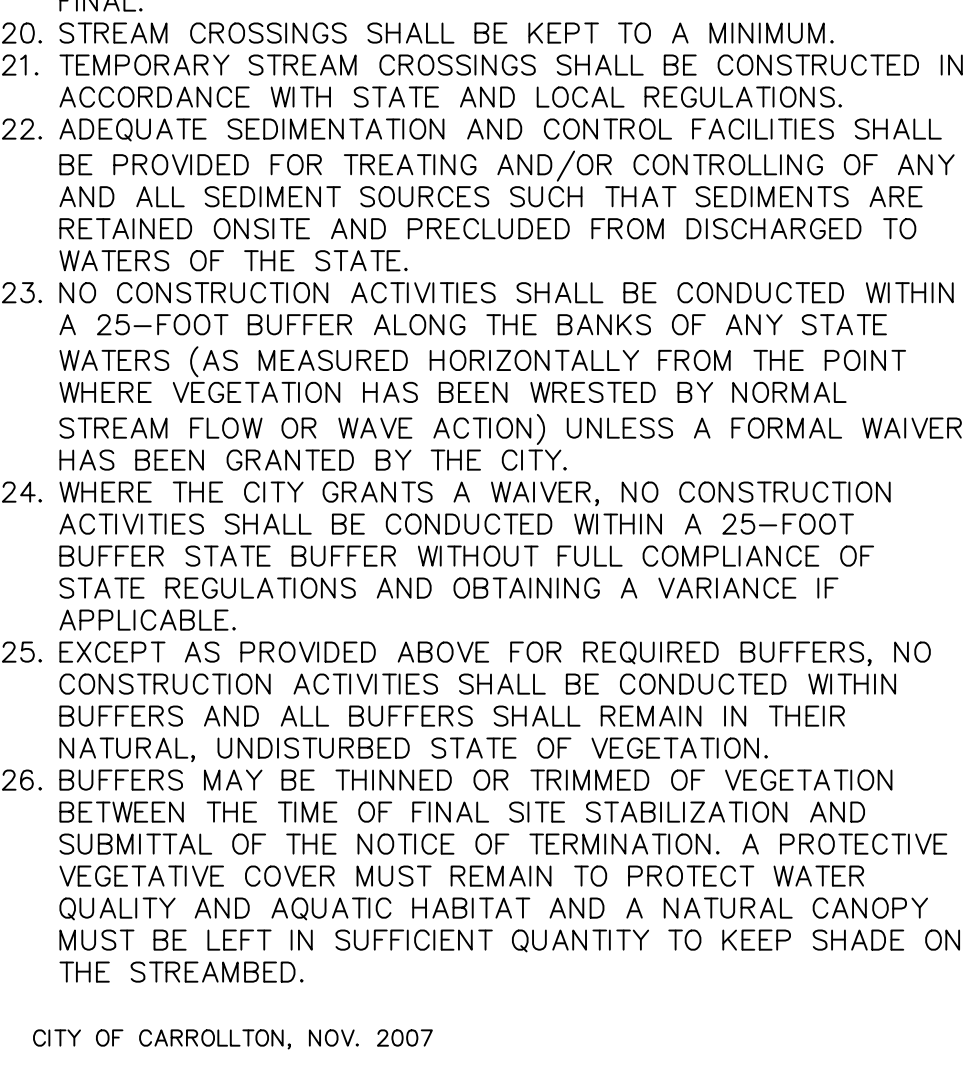
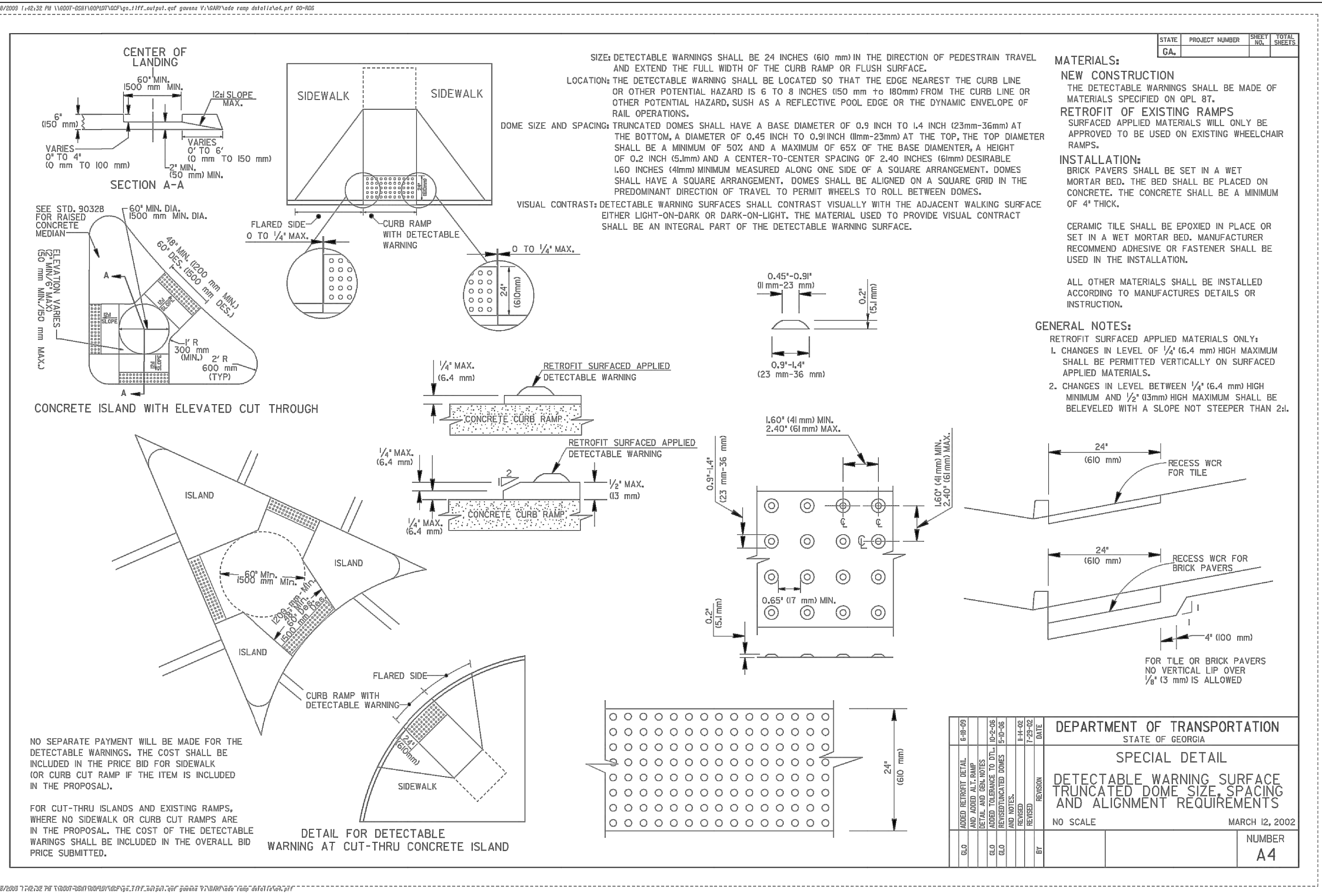
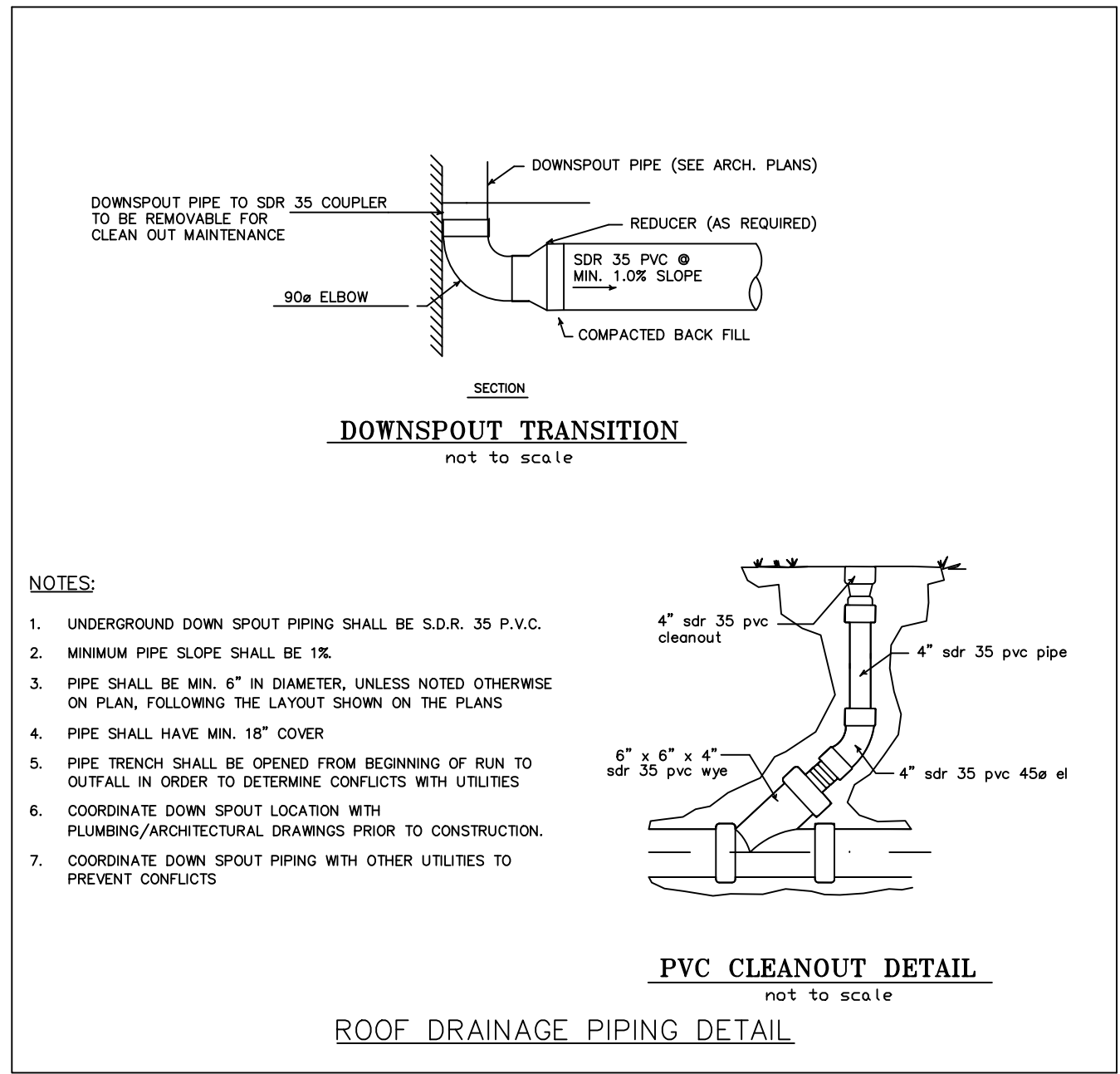
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PROFESSIONAL STAMP

REGISTERED PROFESSIONAL ENGINEER

NO. 034591

JOHN D. BASS

JOB #

220232A

PHASE

Bid Documents

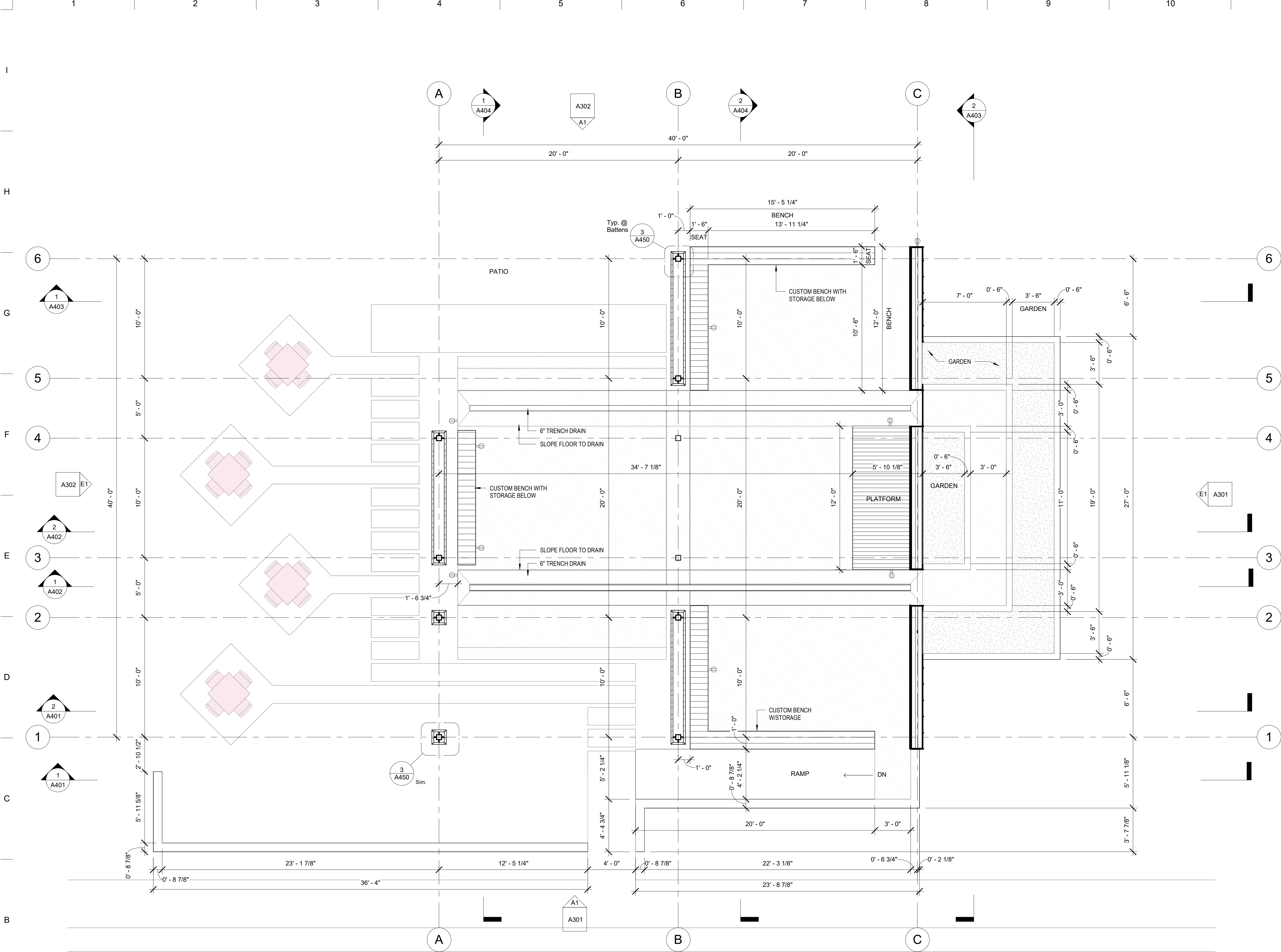
DATE

03/15/2023

SHEET TITLE

CONSTRUCTION DETAILS

CD-1.0



FLOOR PLAN GENERAL NOTES

1. ALL DIMENSIONS ON THE FLOOR PLANS (UNLESS OTHERWISE NOTED) ARE TAKEN FROM FACE OF STUDS.
2. THE CONTRACTOR SHALL FIELD VERIFY ALL CONDITIONS AND DIMENSIONS PRIOR TO ANY WORK COMMENCING
3. SEE GENERAL NOTES ON COVER SHEET FOR MORE INFORMATION CONCERNING WORK NOT SHOWN ON DRAWING.
4. ALLOW A MINIMUM OF 18 INCHES LATCH-SIDE CLEARANCE ON THE PULL SIDE OF ALL DOORS WITH CLOSERS AND A MINIMUM OF 12 INCHES LATCH-SIDE CLEARANCE ON THE PUSH SIDE OF ALL
5. ALL PARTITION TO BE TYPE A1 UNLESS NOTED OTHERWISE
6. 2A-108-C FIRE EXTINGUISHERS SHALL BE PROVIDED PER NFPA 10. TOP OF EXTINGUISHER SHALL BE MOUNTED @ 60" AFF (FOR EXTINGUISHERS WEIGHING LESS THAN 40 LBS.) (LAC: 55V: 3030 / NFPA 10).
7. INTERIOR FINISHES SHALL COMPLY WITH NFPA 101:36.3.3 (0-75) FLAMESPREAD WITH SMOKE DEVELOPMENT OF (0-450)
8. LOOSELY HANGING FURNISHINGS AND DECORATIONS SHALL BE FLAME RESISTANT AS DEMONSTRATED BY TESTING IN ACCORDANCE WITH NFPA 701.

FLOOR PLAN LEGEND

- | | | |
|-----------------------|---------|-----------------------|
| ROOM NUMBER | XXX | |
| DOOR NUMBER | XX | |
| WINDOW TAG | X | |
| COLUMN GRID | XX | |
| ELEVATION TAG | XXX X | SHEET NO. DRAWING NO. |
| SECTION TAG | X XXX | DRAWING NO. SHEET NO. |
| DETAIL TAG | X XXX | DRAWING NO. SHEET NO. |
| WALL TYPE | X1 | |
| CEILING ELEVATION TAG | 0' - 0" | |



**RICKMAN
ARCHITECTURE +
DESIGN**

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678 282 7974

PROJECT

Neva Pavilion
710 ROME STREET
CARROLLTON, GA 30180

CLIENT

WGRLS
124 W CHANDLER STREET
CARROLLTON, GA 30117

#	DATE	DESCRIPTION

DRAWN BY: HS
REVIEWED BY: MR

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PROFESSIONAL STAMP



JOB #

21124

PHASE

Bid Documents

DATE

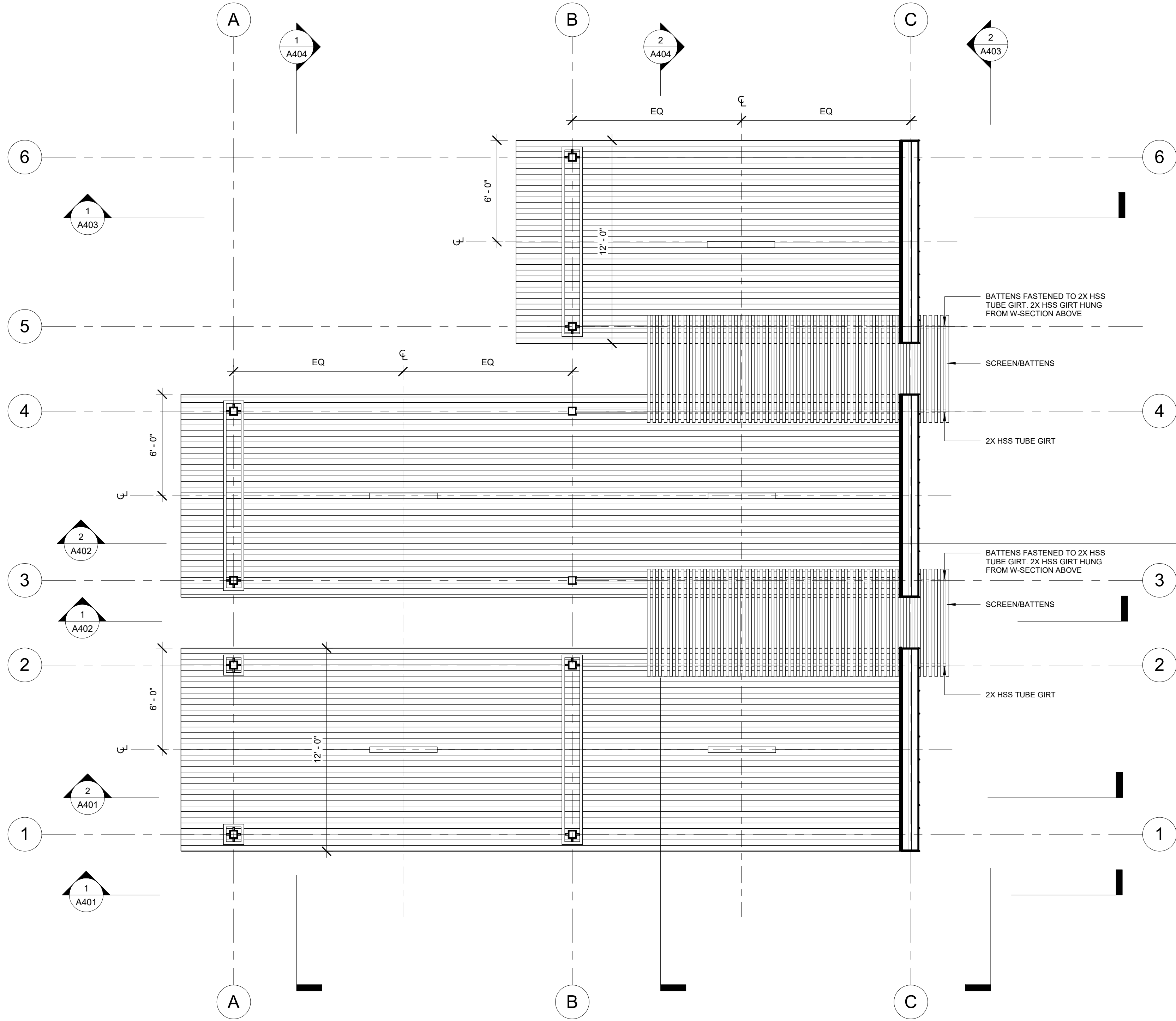
03/10/2023

SHEET TITLE

Floor Plan

A201a

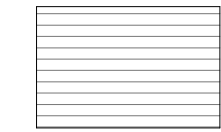




1 Reflected Ceiling Plan
A1 A301 SCALE 1/4" = 1'-0"

REFLECTED CEILING PLAN GENERAL NOTES & LEGEND

1. LOCATION OF ANY AND ALL MECHANICAL, PLUMBING & ELECTRICAL ELEMENTS ARE APPROXIMATE. CONTRRCTOR RESPONSIBLE FOR FINAL LAYOUT, DISTRIBUTION & INSTALLATION. NOTIFY ARCHITECT IMMEDIATELY OF ANY CONFLICTS IN THE FIELD.



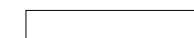
WD - ENDURE DIRECT ATTACH

X' - X' AFF

ELEVATION INDICATES CLEAR HEIGHT FROM FINISHED FLOOR TO FINISHED CEILING



CEILING TRANSITION TAG - DETAIL # REFERENCES DETAIL ON SHEET



LT-01: SURFACE MOUNTED CEILING FIXTURE



LT-02: WALL MOUNTED LIGHT FIXTURE



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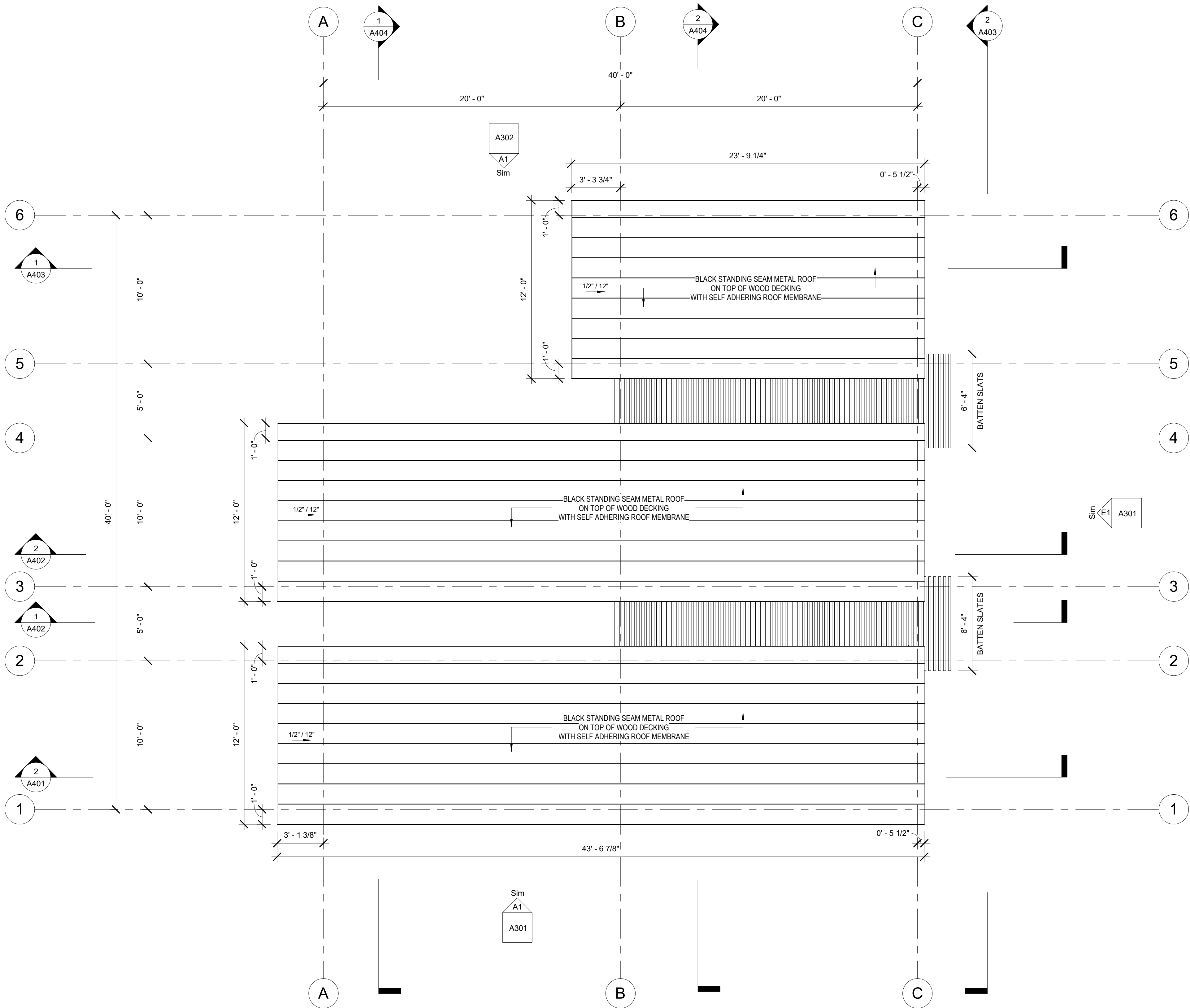
DATE

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SHEET TITLE

**Reflected
Ceiling Plan**

A202



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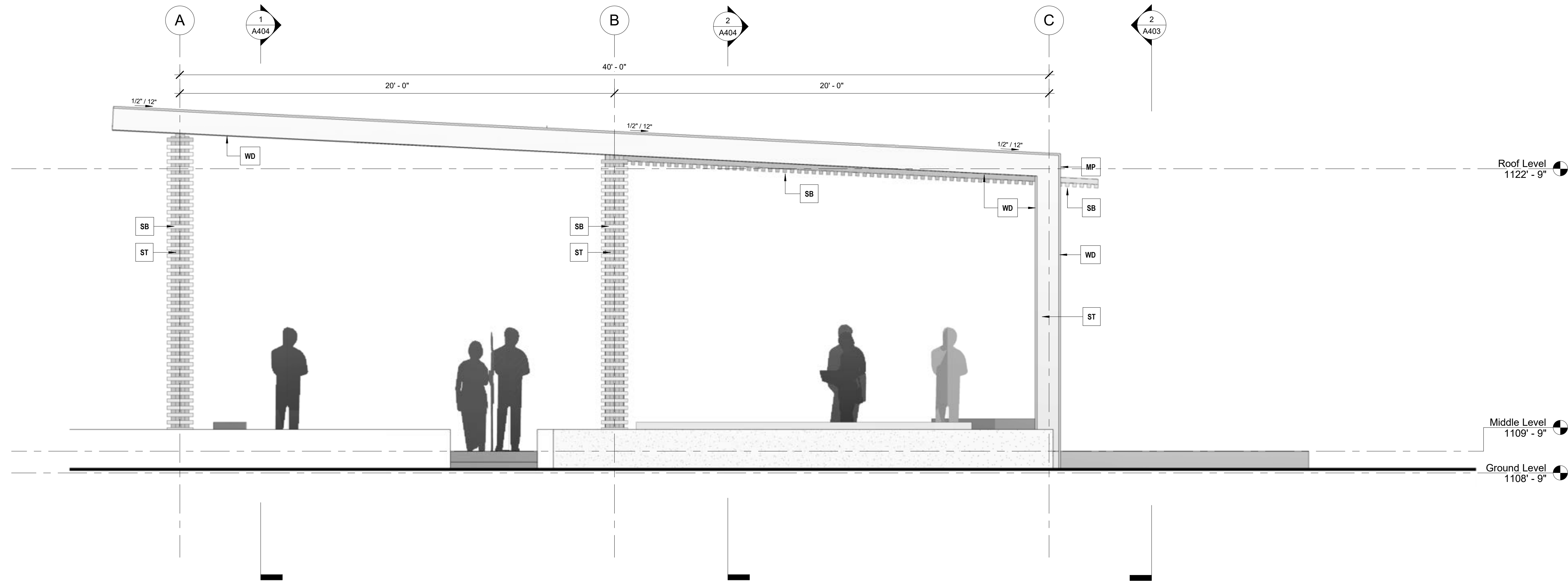
SHEET TITLE

Roof Plan

A203



E1 East Elevation
A1 | A201a SCALE 3/8" = 1'-0"



A1 South Elevation
A1 | A201a SCALE 3/8" = 1'-0"



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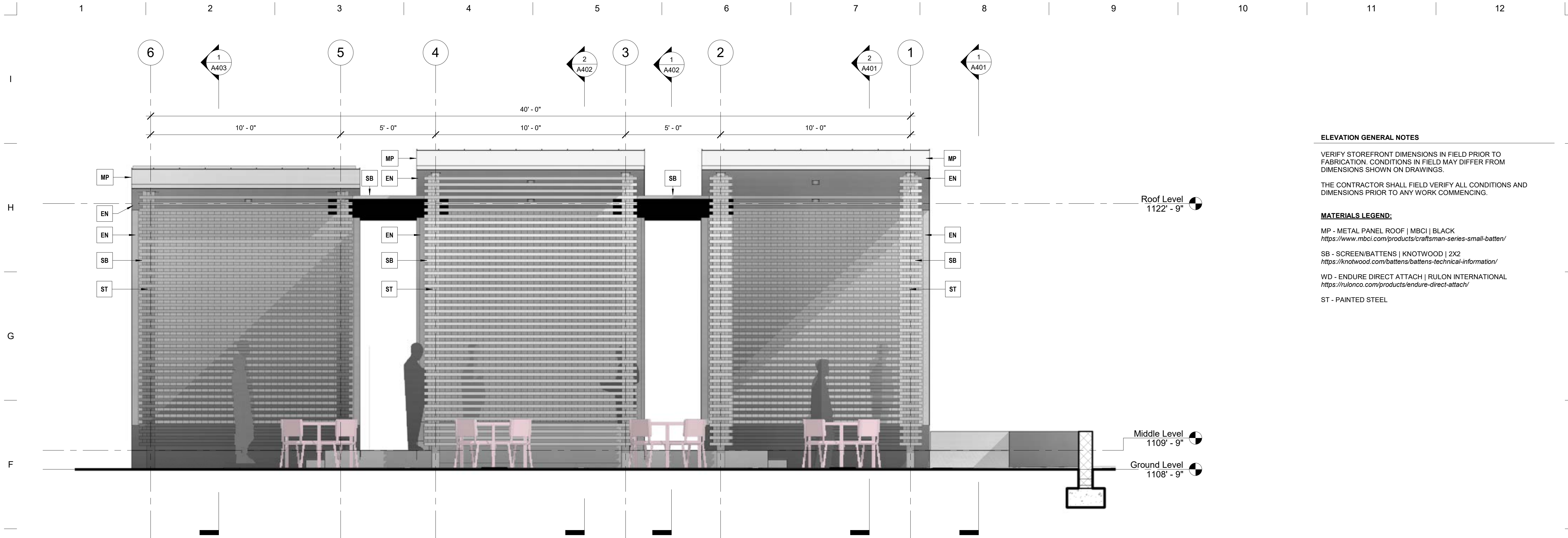
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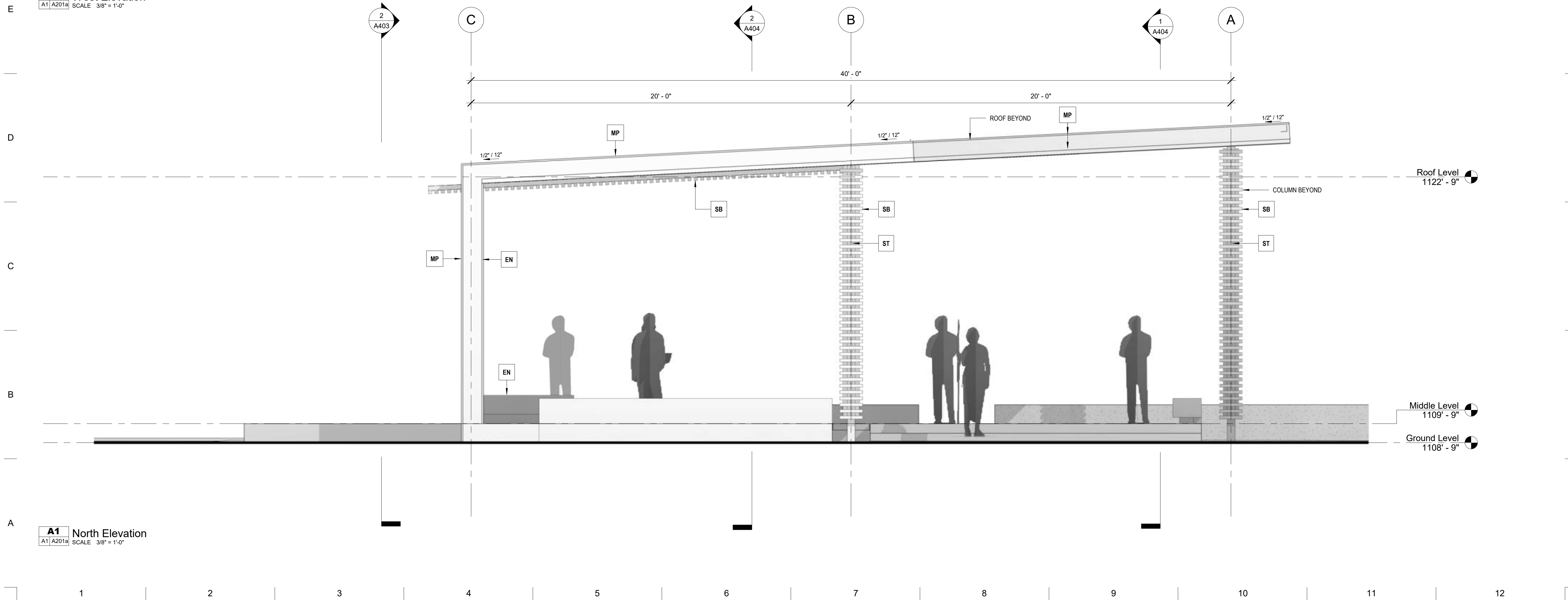
SHEET TITLE

**Building
Elevations**

A301



E1 West Elevation
A1 | A201a SCALE 3/8" = 1'-0"



A1 North Elevation
A1 | A201a SCALE 3/8" = 1'-0"



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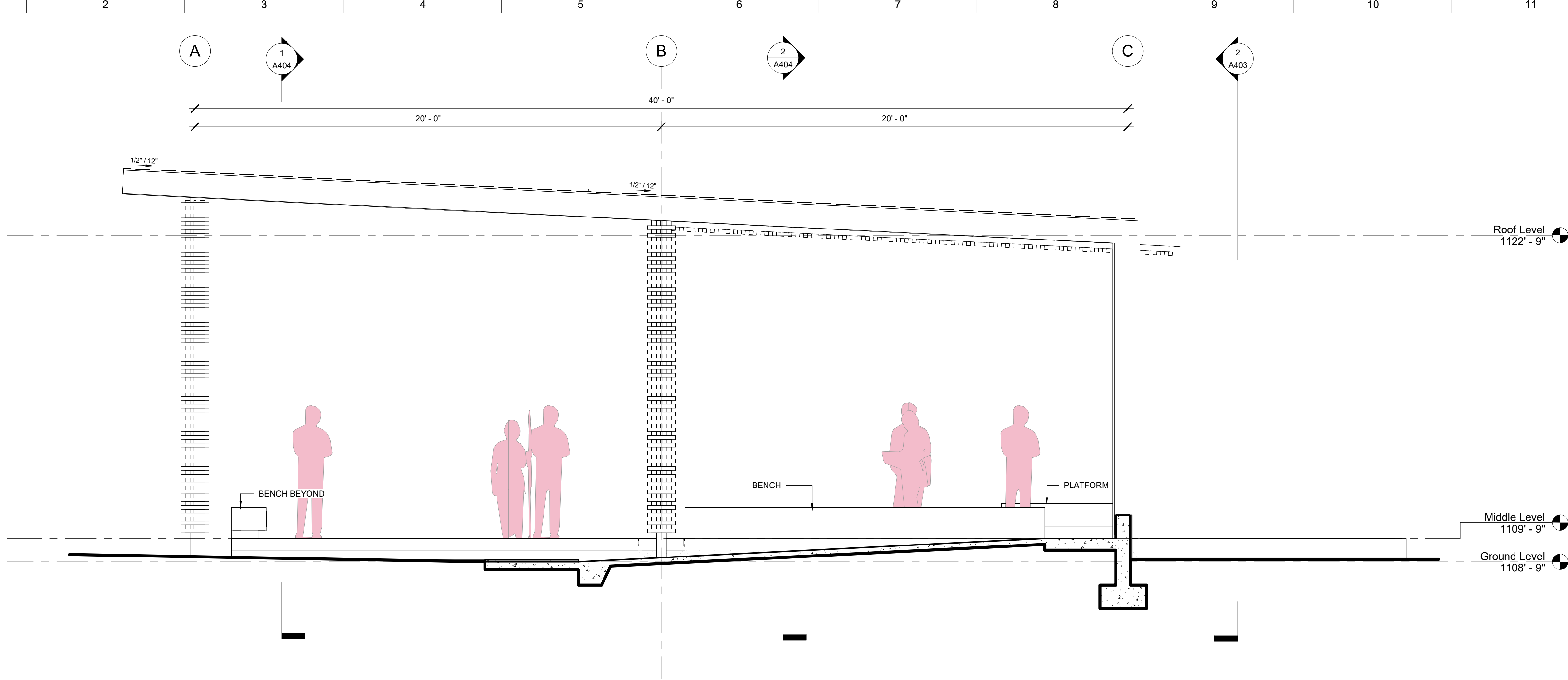
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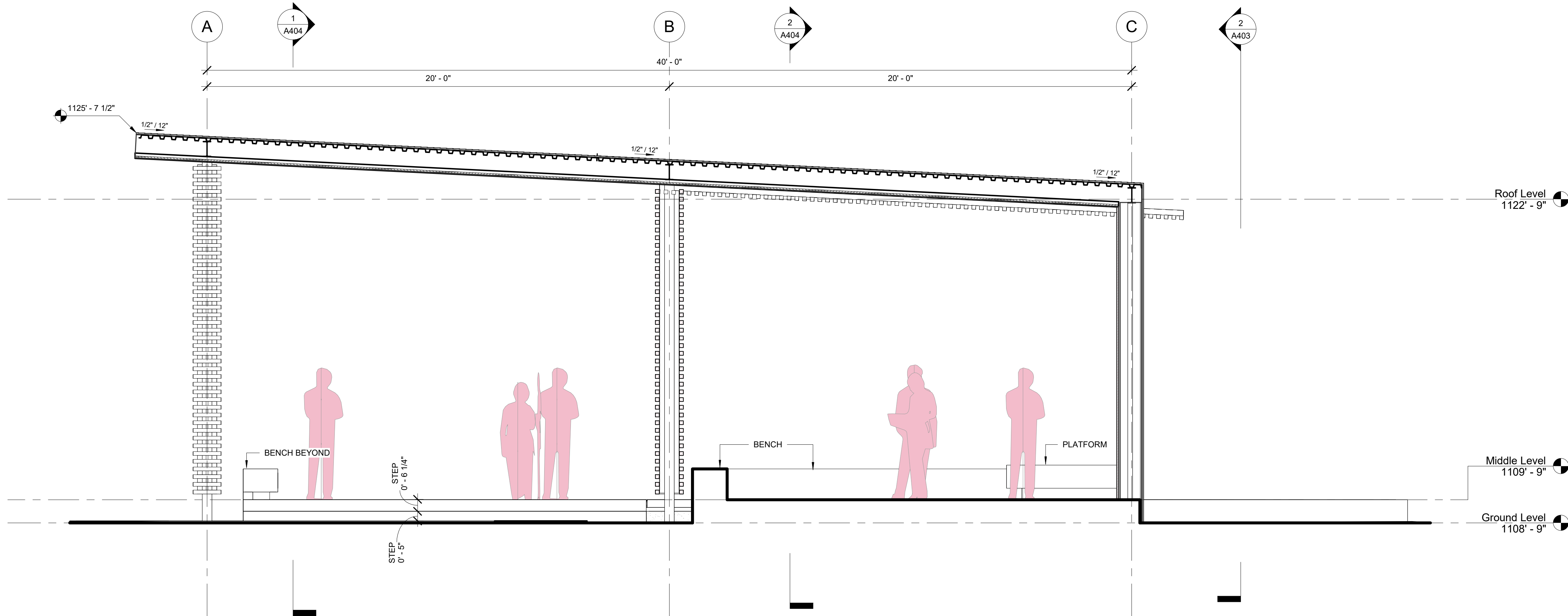
**Building
Elevations**

A

A302



1 Section At Ramp
A1 | A201a | SCALE: 3/8" = 1'-0"



2 Section At Roof - Long
A1 | A201a | SCALE: 3/8" = 1'-0"



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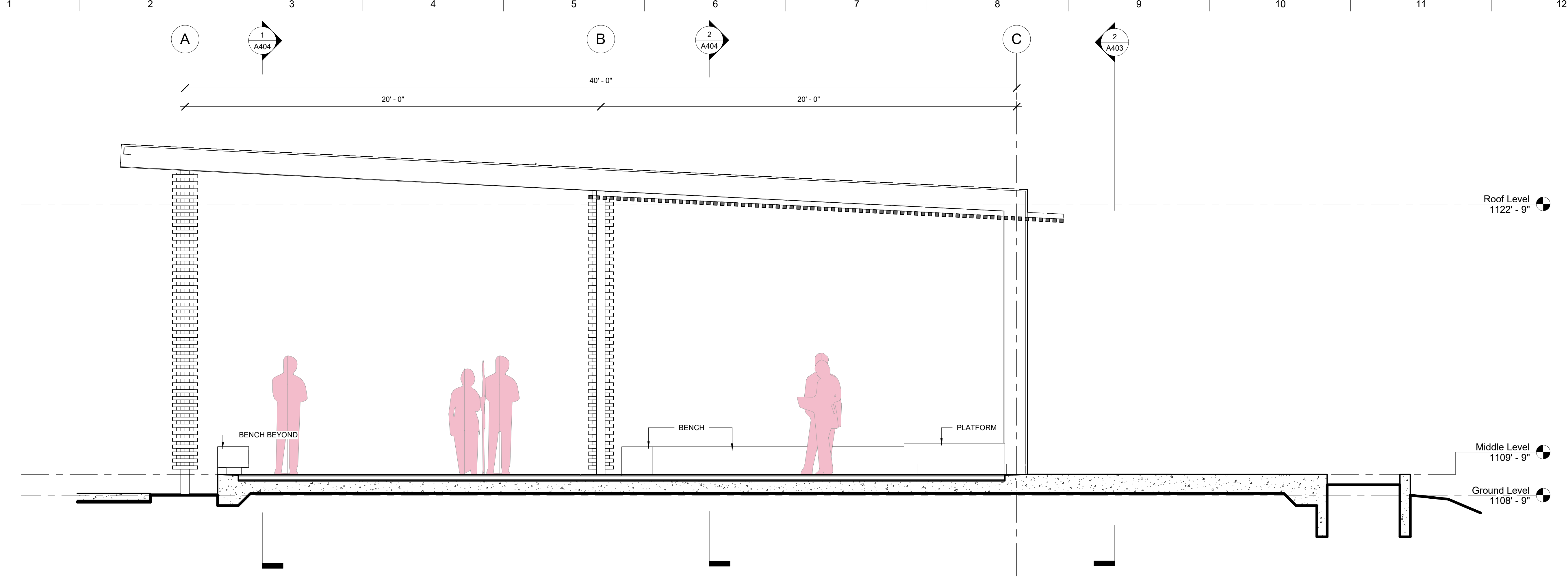
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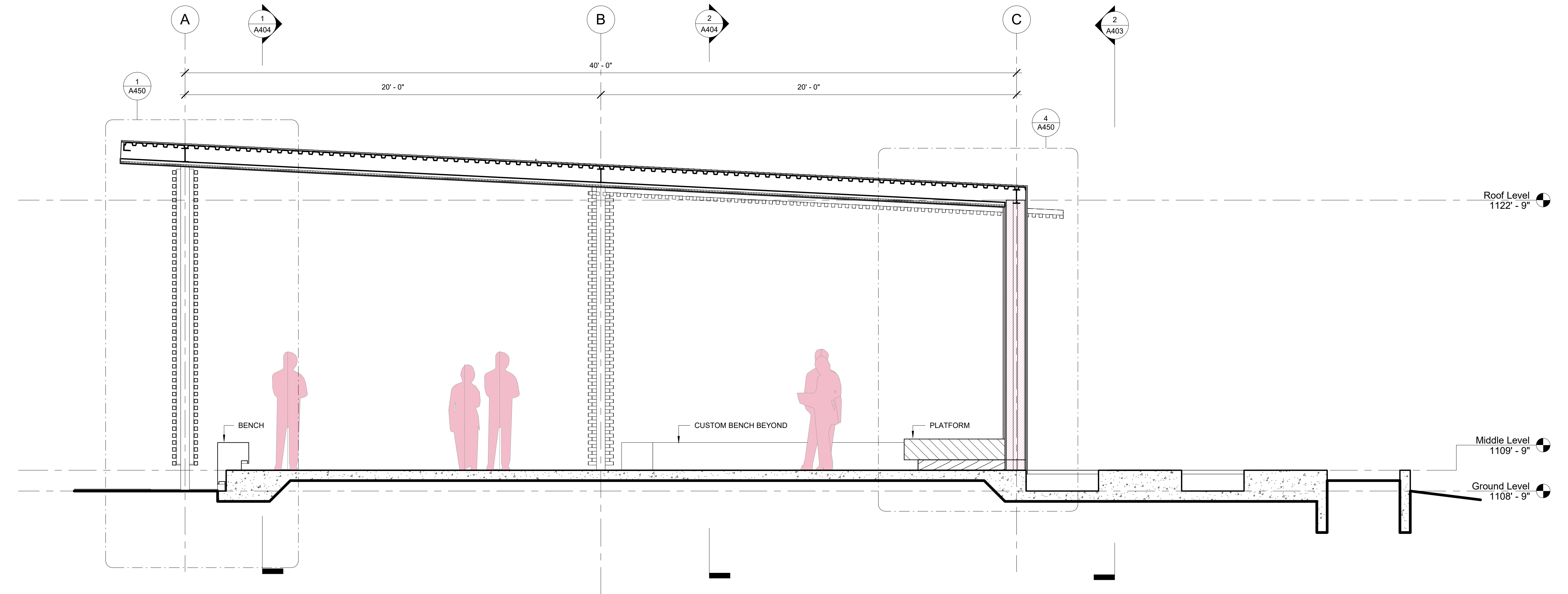
SHEET TITLE

**Building
Sections**

A401



1 Section At Slit, Long
A1 | A201a SCALE 3/8" = 1'-0"



2 Section At Roof & Garden, Long
A1 | A201a SCALE 3/8" = 1'-0"



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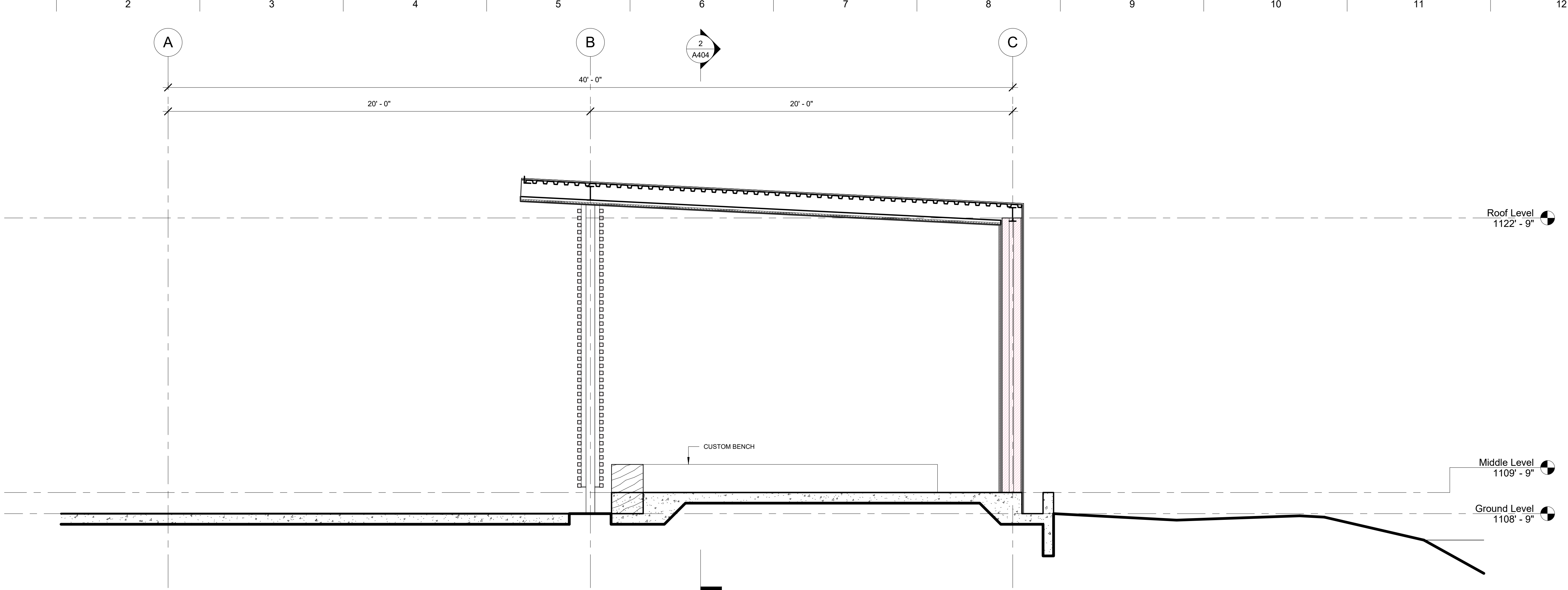
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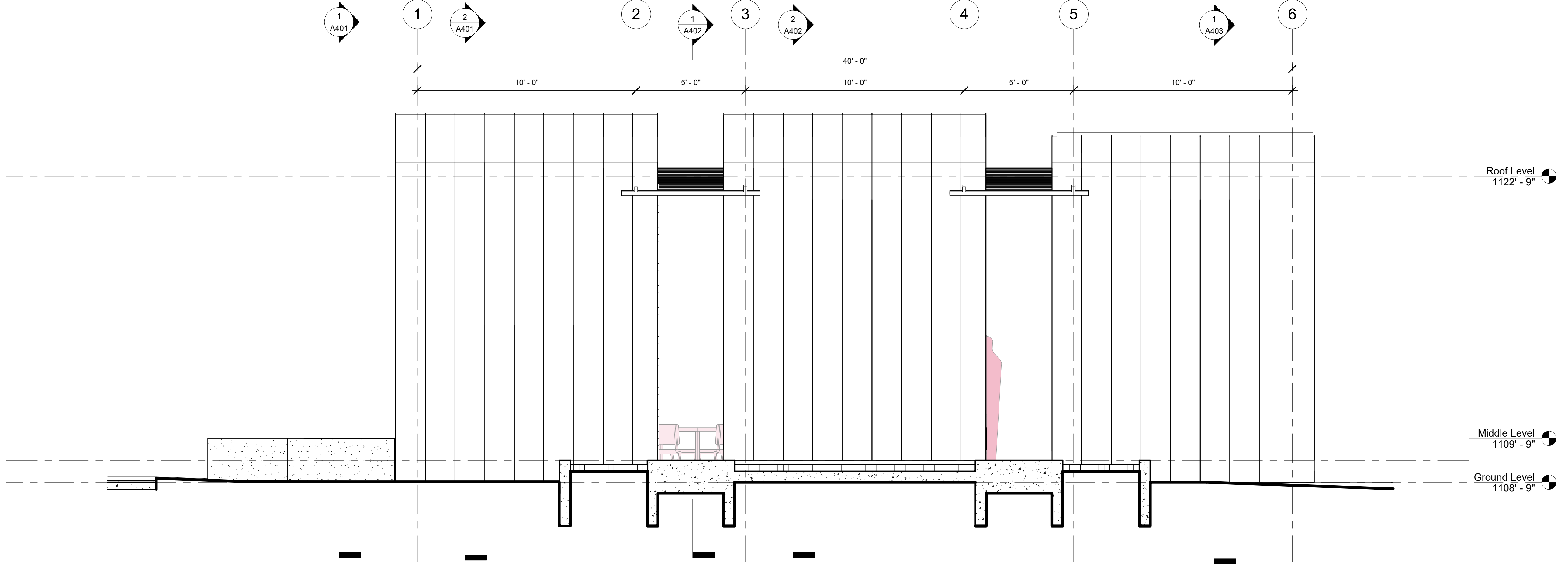
SHEET TITLE

**Building
Sections**

A402



1 Section At Short Roof, Long
A1 | A201a SCALE 3/8" = 1'-0"



2 Section, Transverse at Pool
A1 | A201a SCALE 3/8" = 1'-0"



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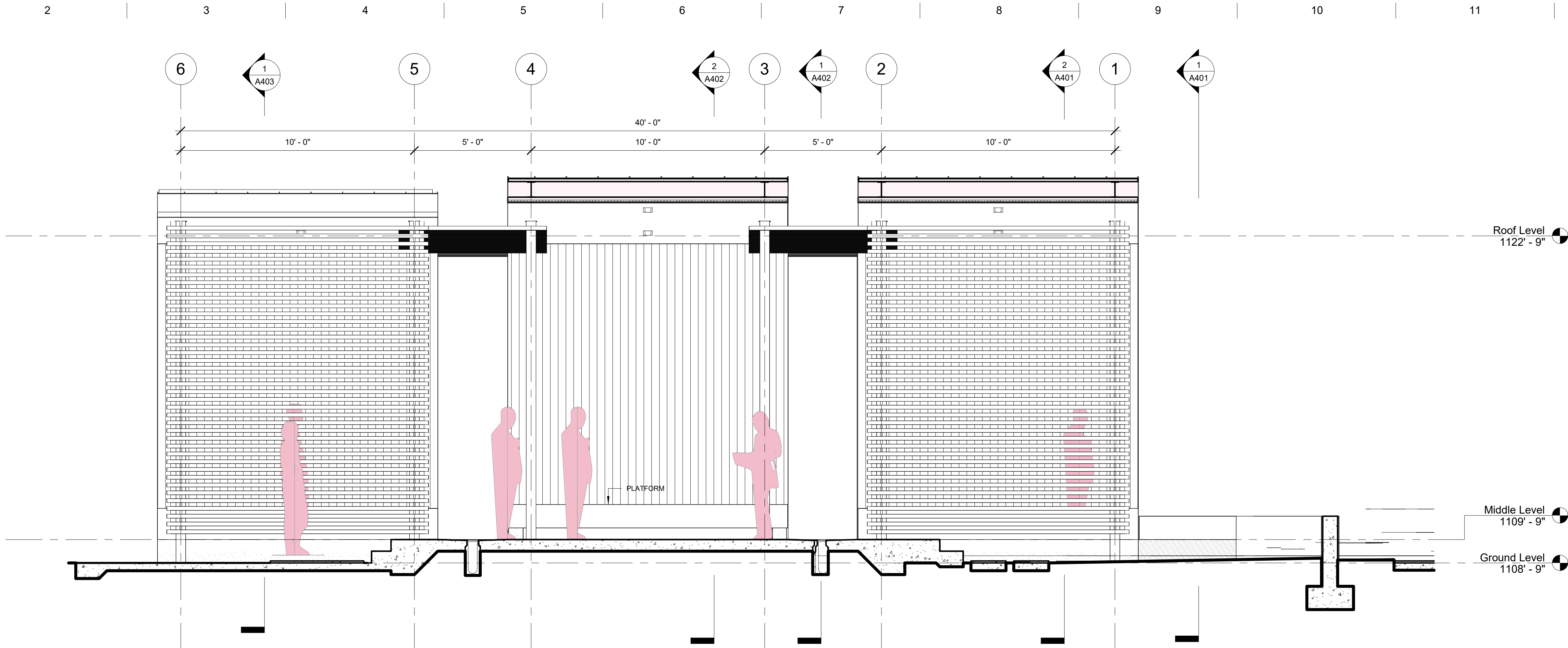
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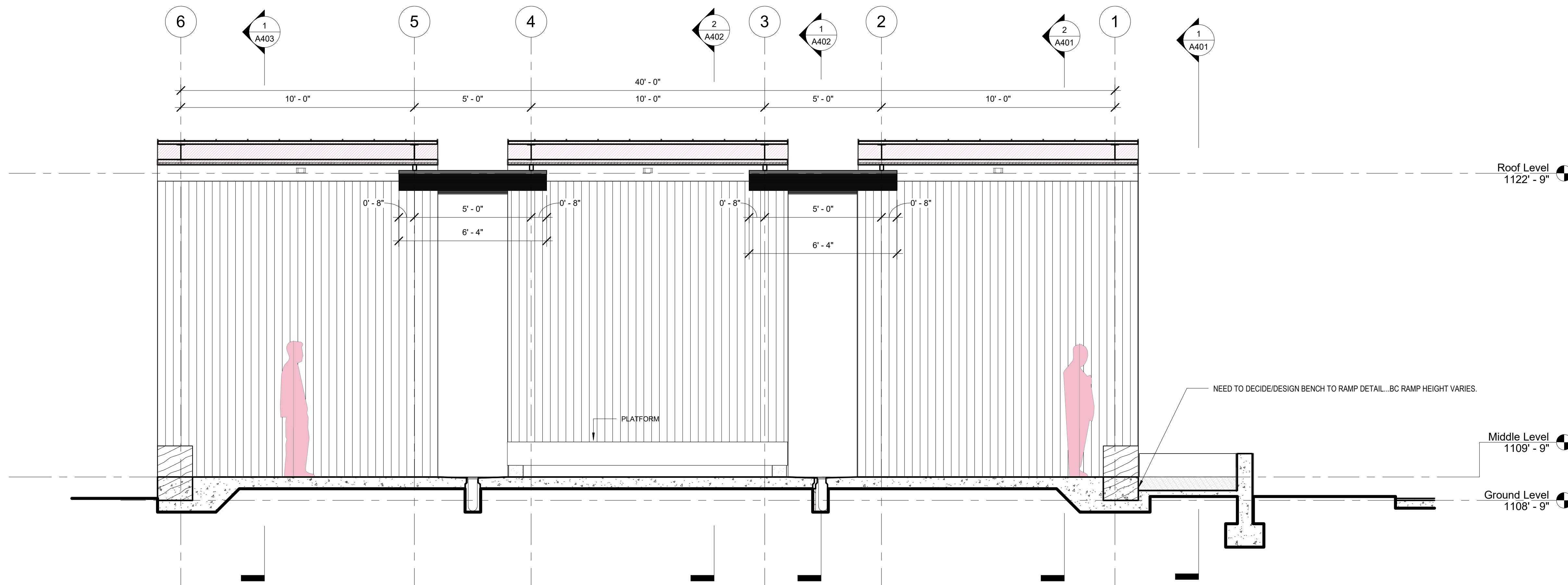
SHEET TITLE

**Building
Sections**

A403



1 Section, Transverse 1
A1 | A201a SCALE 3/8" = 1'-0"



2 Section, Transverse 2
A1 | A201a SCALE 3/8" = 1'-0"



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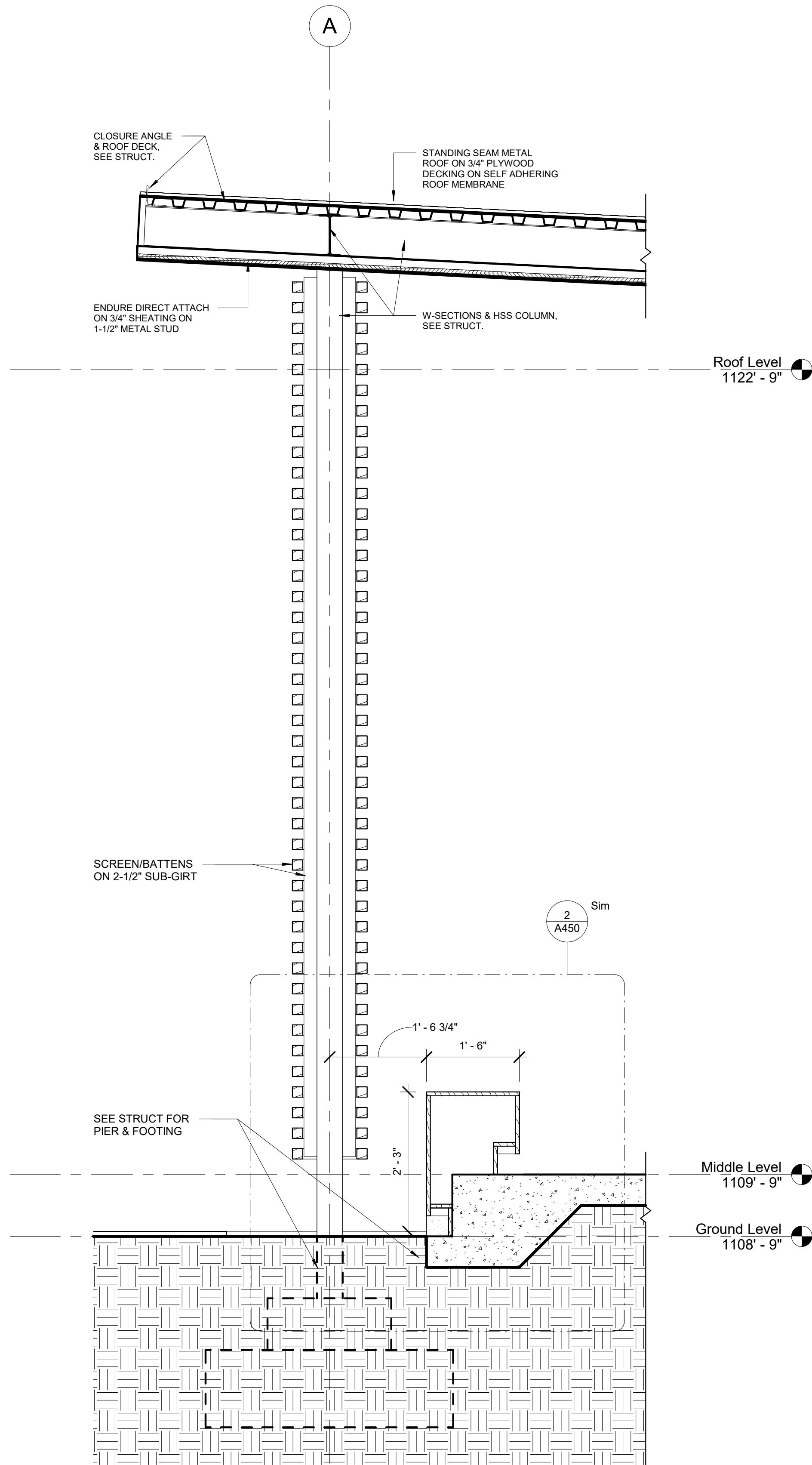
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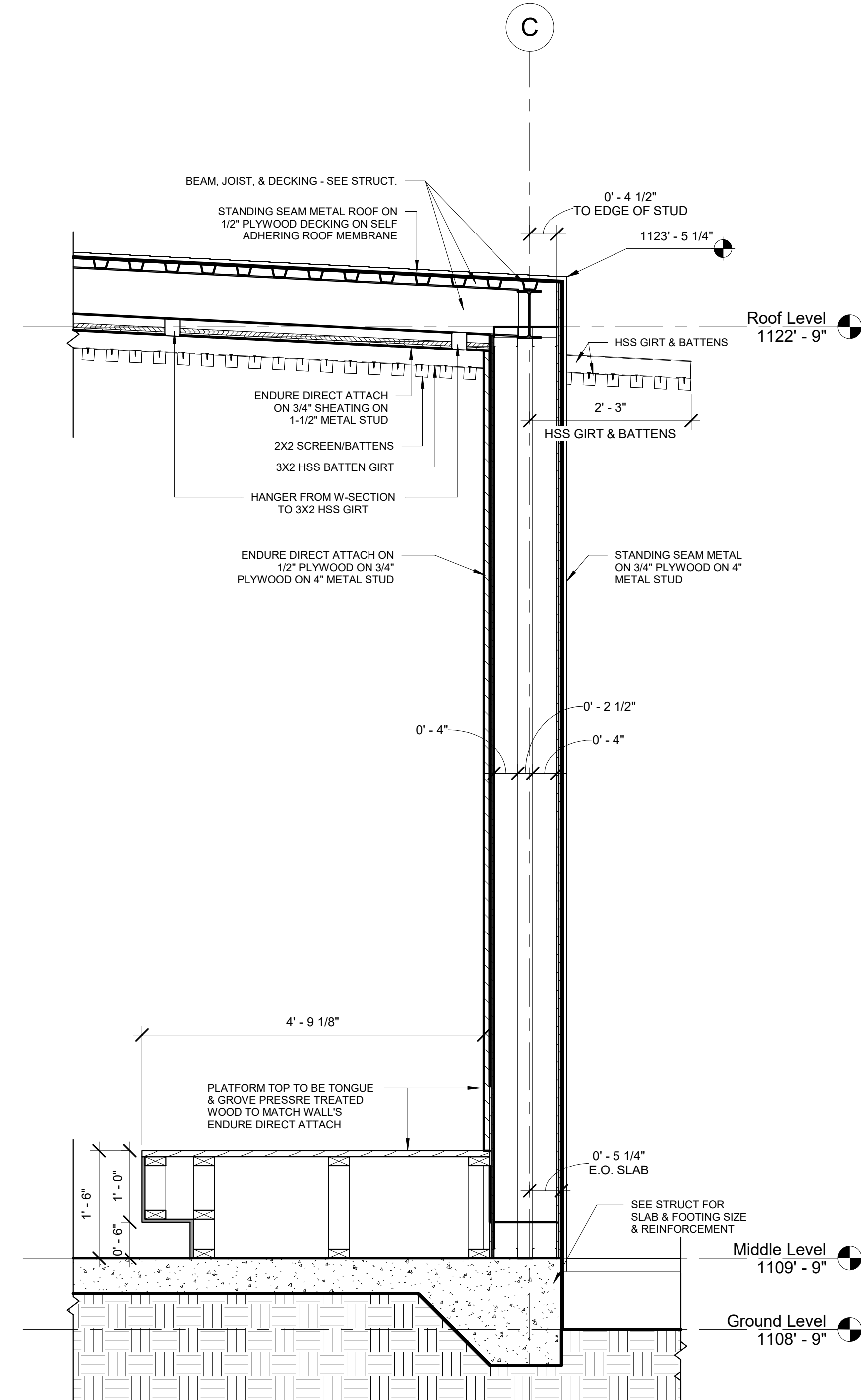
SHEET TITLE

**Building
Sections**

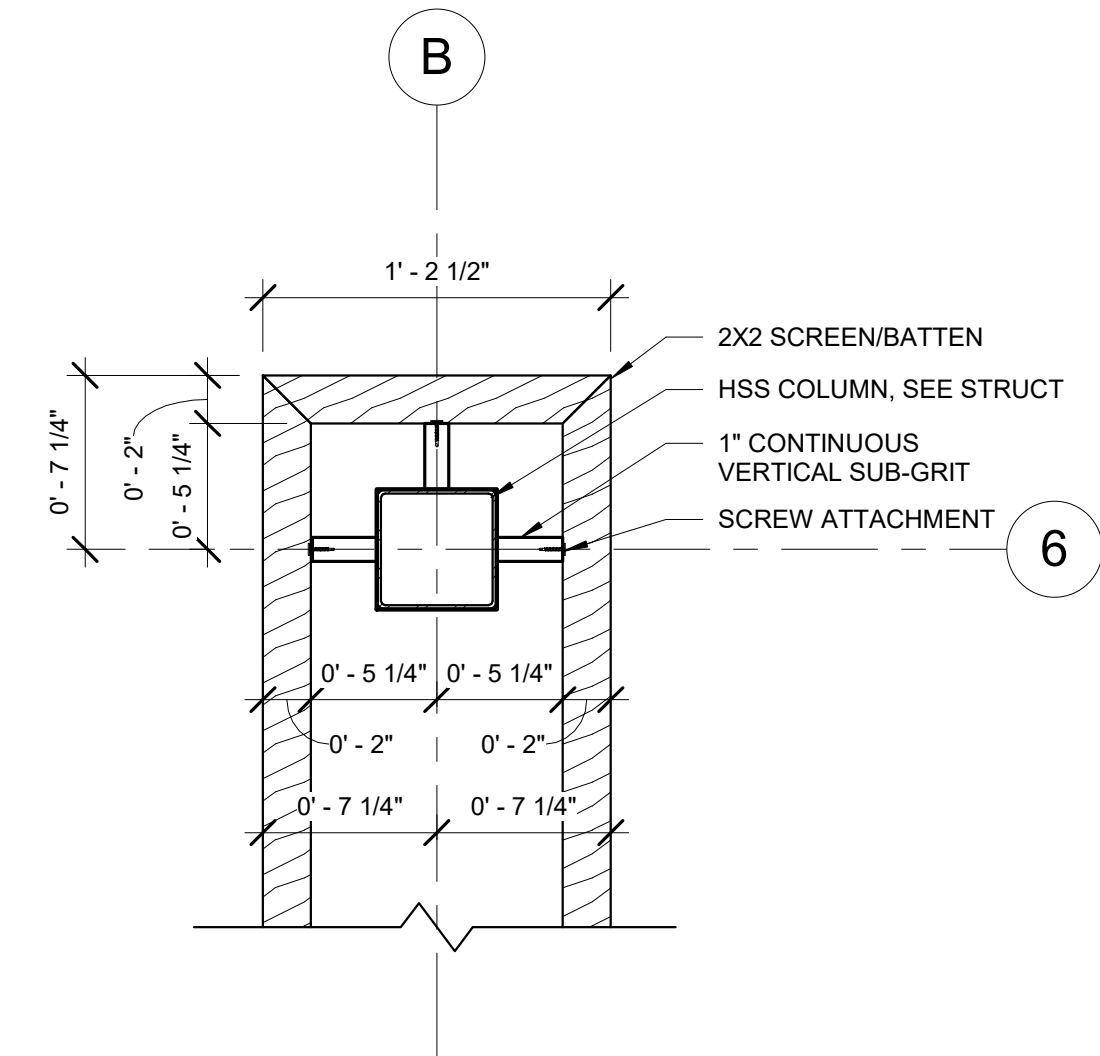
A404



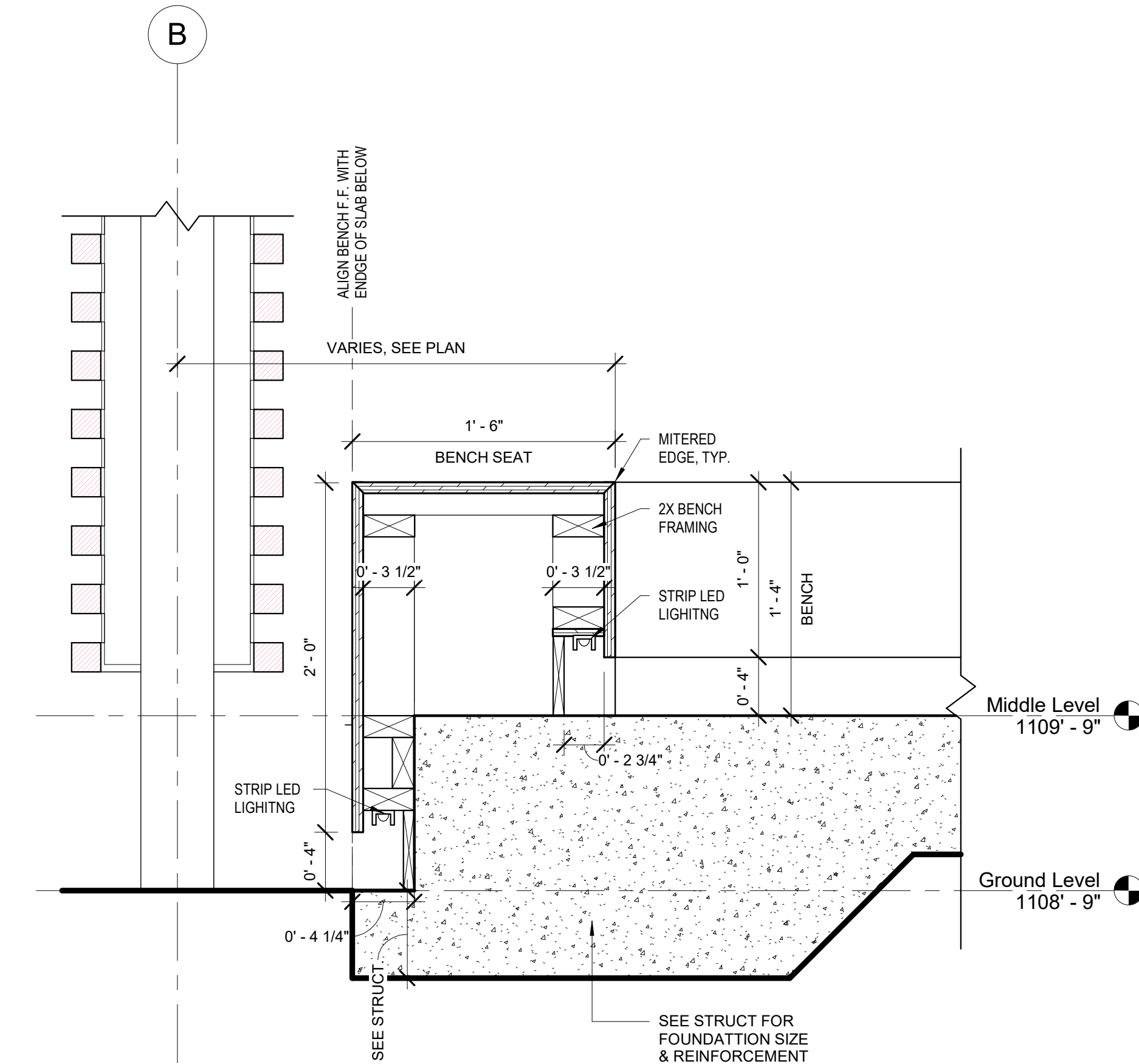
1 Wall Section, Gridline A Thru Slat Wall
SCALE 3/4" = 1'-0"



4 Wall Section, Gridline C At Platform
SCALE 3/4" = 1'-0"



3 Typical Screen/Batten Connection Detail
SCALE 1 1/2" = 1'-0"



2 Bench Section Detail
SCALE 1 1/2" = 1'-0"



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DATE DESCRIPTION

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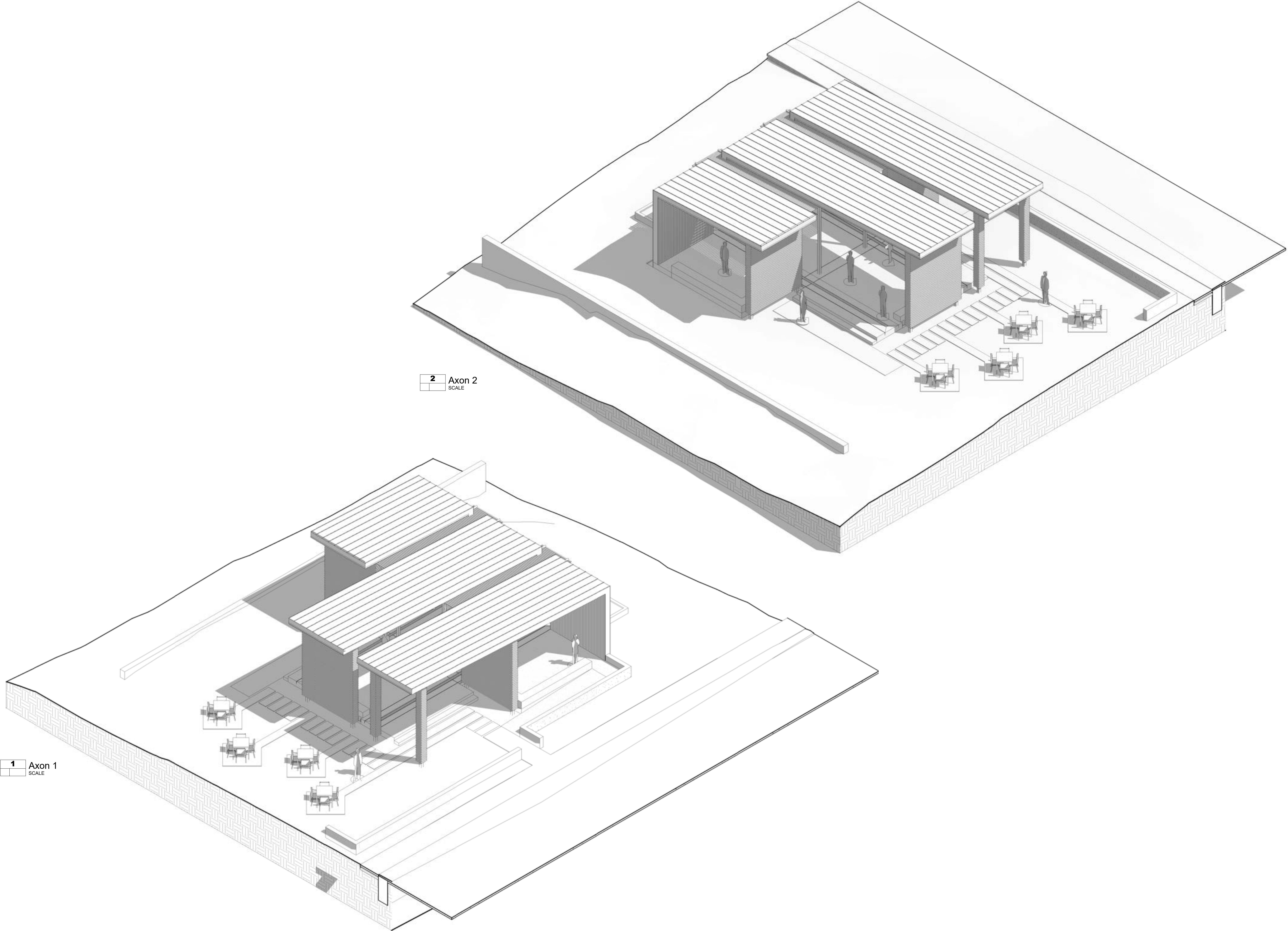
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SHEET TITLE

**Wall Section &
Details**

A450



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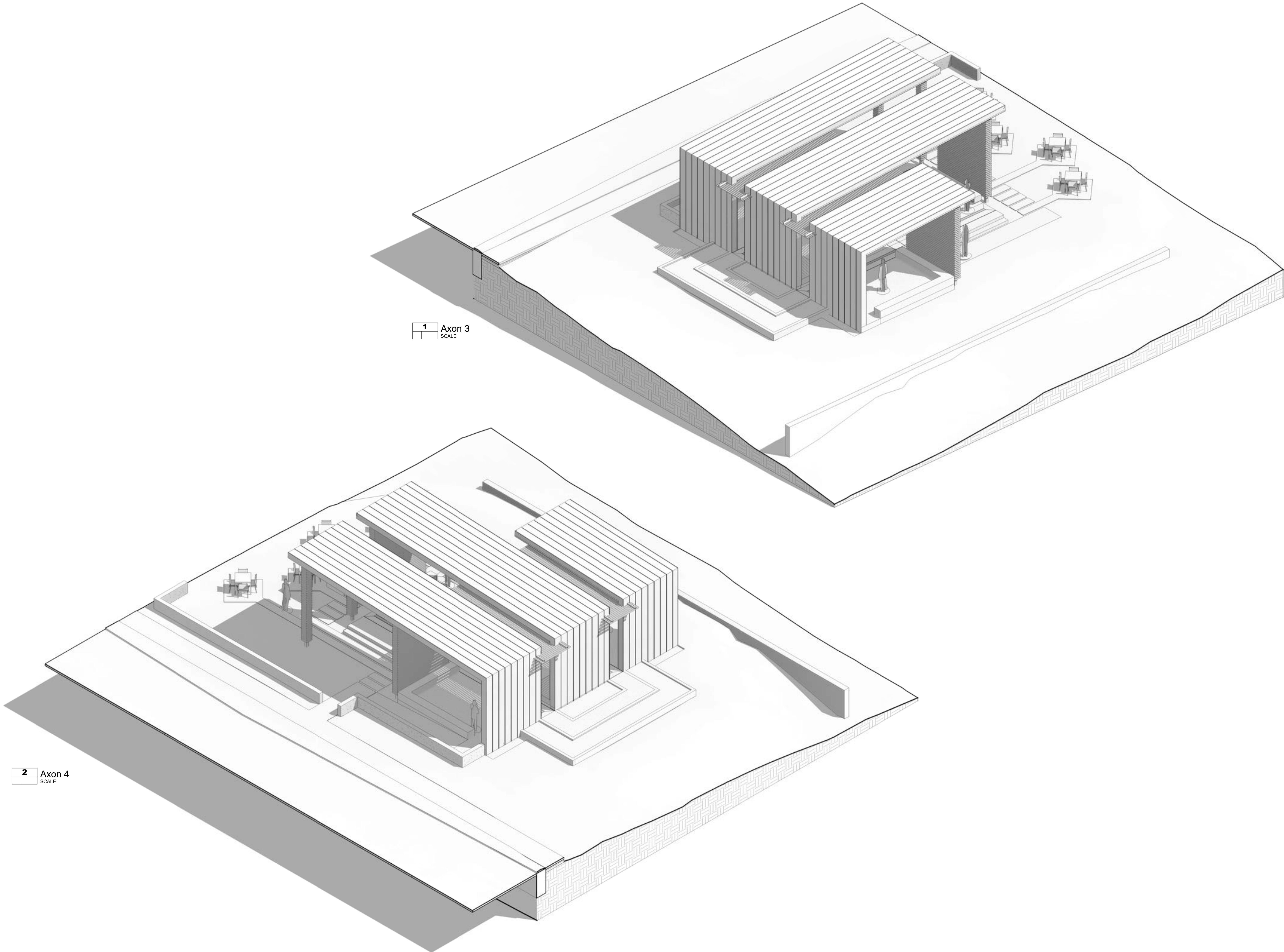
DATE

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SHEET TITLE

**Axonometric
Views**

A501



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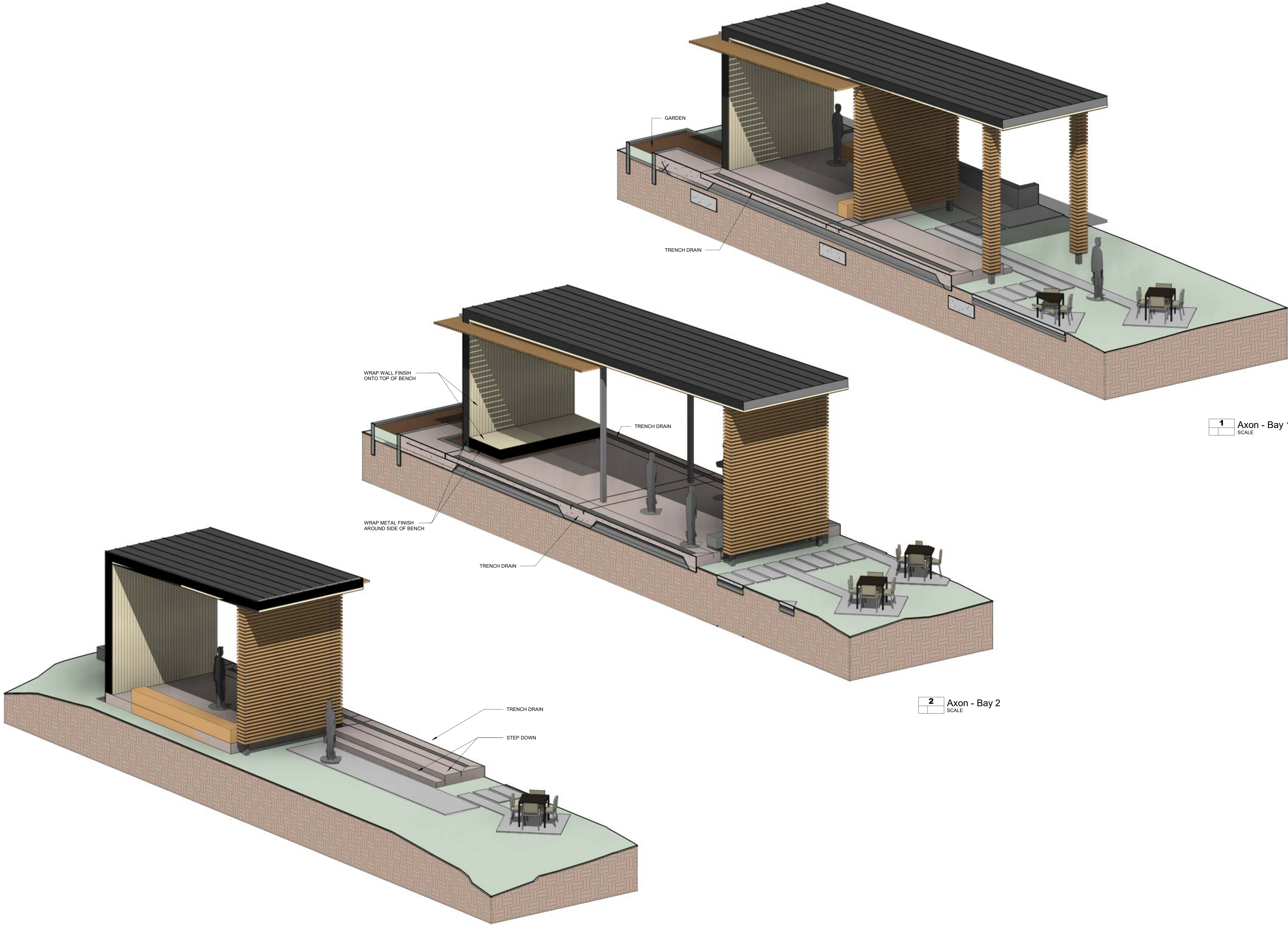
DATE

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SHEET TITLE

**Axonometric
Views**

A502



1 Axon - Bay 1
SCALE

2 Axon - Bay 2
SCALE

3 Axon - Bay 3
SCALE



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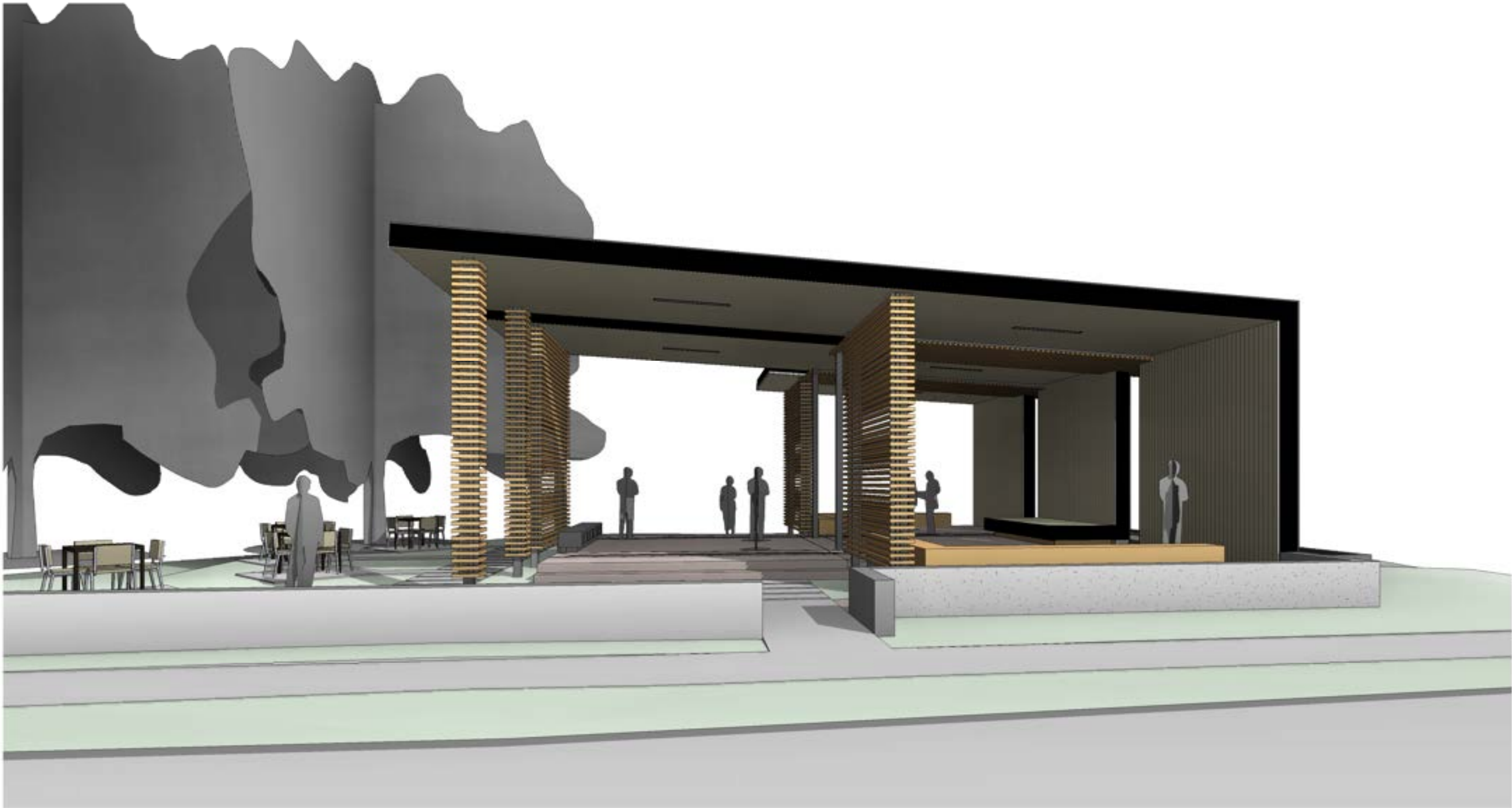
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SHEET TITLE

Axonmetrics

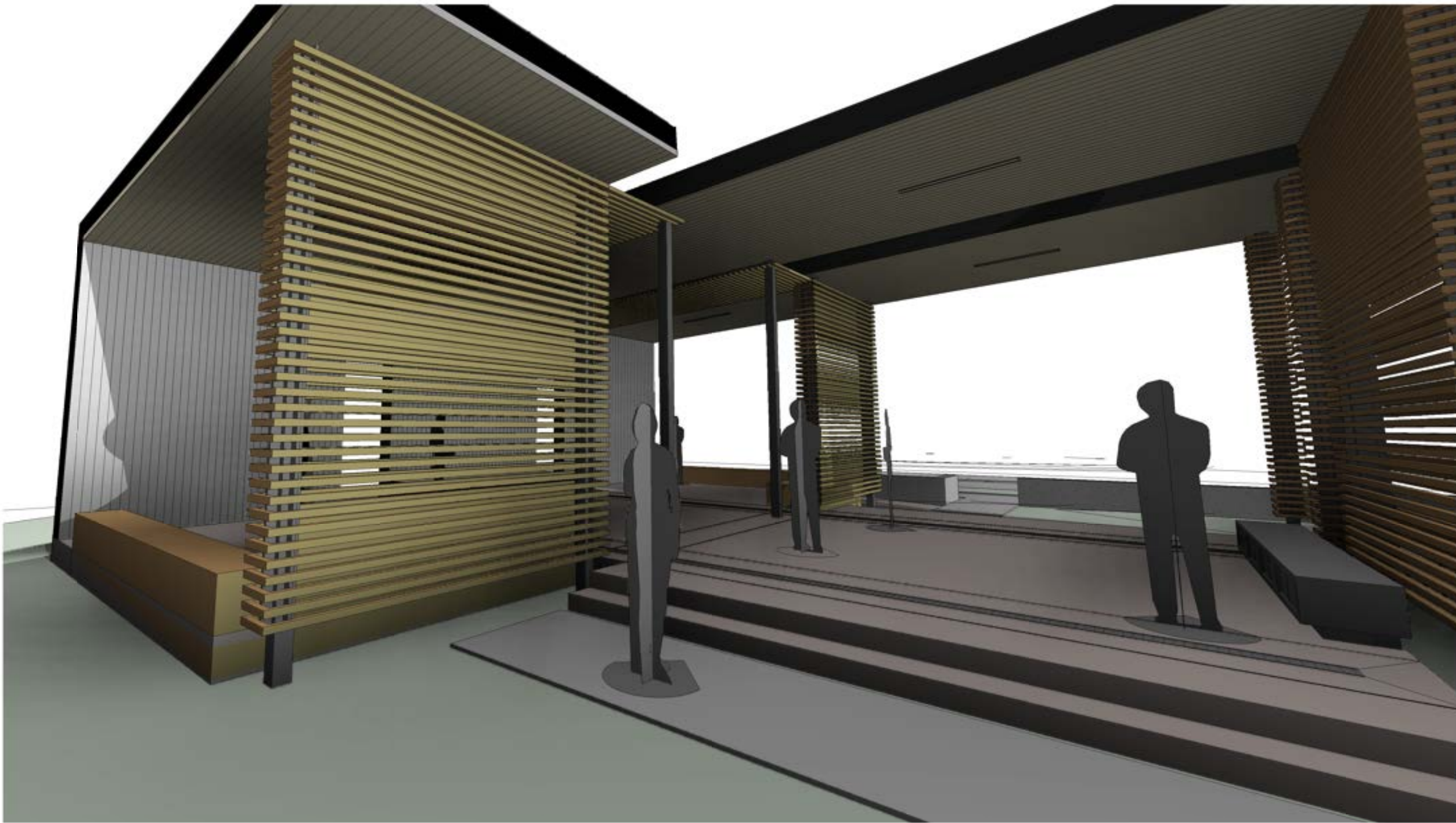
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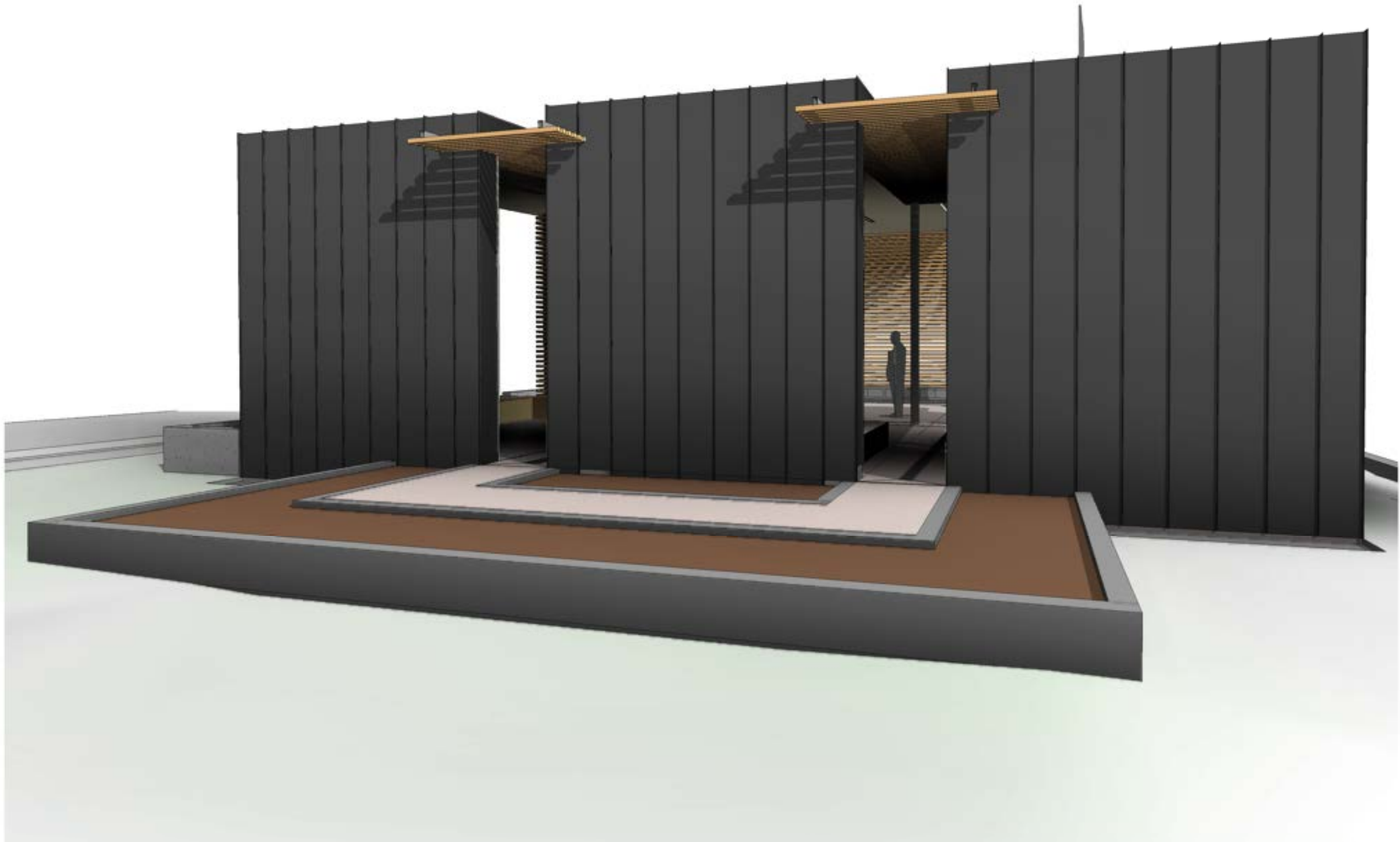
1 3D View 1
SCALE



2 3D View 4
SCALE



3 3D View 3
SCALE



4 3D View 6
SCALE



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SHEET TITLE

3D Views

A506

GENERAL NOTES:

1. CONTRACTOR SHALL BE RESPONSIBLE FOR ALL BRACING DURING CONSTRUCTION. FOUNDATION WALLS WHICH ARE SHOWN TIED INTO SLAB-ON-GRADE OR FLOOR/ROOF FRAMING SHALL BE BRACED AGAINST BACK FILL MOVEMENT UNTIL SLAB/FRAMING (INCLUDING DECK) IS COMPLETED. THOUGH DETAILS DO MAY NOT INDICATE, ADEQUATE DRAINAGE MUST BE PROVIDED BEHIND WALLS TO ELIMINATE UNANTICIPATED HYDROSTATIC LOADING. PROVIDE ADEQUATE SHORING OR BRACING DURING CONSTRUCTION TO RESIST ALL REQUIRED FORCES SUCH AS (BUT NOT LIMITED TO) DEAD LOADS, LIVE LOADS, SOIL PRESSURES, CONSTRUCTION LOADS, WIND AND UNBALANCED LOADING. PROVIDE TEMPORARY SAFETY ENCLOSURES AS NECESSARY TO PROTECT ALL PERSONNEL INVOLVED WITH THIS PROJECT.
2. THE INTERNATIONAL BUILDING CODE, 2018 EDITION, PUBLISHED BY THE INTERNATIONAL CODE COUNCIL SHALL APPLY IN CONJUNCTION WITH THE LATEST GA AMENDMENTS AND THE ASCE 7-16 REFERENCED STANDARD.
3. DETAILS NOT SHOWN SHALL BE IN ACCORDANCE WITH:
- AMERICAN CONCRETE INSTITUTE (A.C.I.) SPECIFICATIONS FOR CONCRETE CONSTRUCTION
 - AMERICAN INSTITUTE OF STEEL CONSTRUCTION (A.I.S.C.) SPECIFICATIONS FOR STRUCTURAL STEEL CONSTRUCTION
 - AMERICAN WELDING SOCIETY (A.W.S.) SPECIFICATIONS FOR WELDING
 - AMERICAN IRON AND STEEL INSTITUTE (A.I.S.I.) SPECIFICATIONS FOR COLD FORMED LIGHT GAGE STEEL
 - ◊ AISI S100-10: NORTH AMERICAN SPECIFICATION FOR THE DESIGN OF COLD-FORMED STEEL STRUCTURAL MEMBERS, INCLUDING 2010 SUPPLEMENT 2.
 - ◊ AISI S200-07: STANDARD FOR COLD-FORMED STEEL FRAMING - GENERAL PROVISIONS.
 - ◊ AISI S212-07: STANDARD FOR COLD-FORMED STEEL FRAMING - HEADER DESIGN.
 - ◊ AISI S211-07: STANDARD FOR COLD-FORMED STEEL FRAMING - WALL STUD DESIGN.

DESIGN LOADS:

ROOFS (GABLE RUBBER MEMBRANE):

DEAD LOAD	
RUBBER ROOF MEMBRANE	- 2.0 P.S.F. (MAX)
INSULATION	- 3.0 P.S.F. (MAX)
CORRUGATED METAL DECKING	- 2.0 P.S.F. (MAX)
JOISTS	- 3.0 P.S.F. (MAX)
GIRDERS/BEAMS	- 3.0 P.S.F. (MAX)
COLLATERAL (M.E.P.)	- 5.0 P.S.F. (MAX)
CEILING	- 2.0 P.S.F. (MAX)
TOTAL	- 20 P.S.F.
LIVE LOAD (REDUCIBLE)	- 20 P.S.F.

WIND (MWFRS):

ULTIMATE DESIGN WIND SPEED V_{ult} (3-SECOND GUST)	- 107 MPH
NOMINAL DESIGN WIND SPEED V_{asd} (3-SECOND GUST)	- 83 MPH
RISK CATEGORY	- II
EXPOSURE	- B
INTERNAL PRESSURE COEFFICIENT (GCP_i)	- ± 0.18
ENCLOSURE CLASSIFICATION	- ENCLOSED BUILDING
BUILDING CLASSIFICATION	- LOW RISE BUILDING
SEE SHEET S1.3 FOR ULTIMATE COMPONENT AND CLADDING PRESSURES	

SEISMIC LOADING

- RISK CATEGORY	II
- SEISMIC IMPORTANCE FACTOR, I_e	1.0
- MAPPED SPECTRAL RESPONSE ACCELERATION (S_s)	0.177 g
- MAPPED SPECTRAL RESPONSE ACCELERATION (S_1)	0.084 g
- SITE CLASSIFICATION	D (ASSUMED)
- SPECTRAL RESPONSE COEFFICIENT (SDS)	0.189 g
- SPECTRAL RESPONSE COEFFICIENT (SD_1)	0.135 g
- SEISMIC DESIGN CATEGORY	C
- BASIC SEISMIC FORCE RESISTING SYSTEMS:	

STEEL SYSTEMS NOT SPECIFICALLY DETAILED FOR SEISMIC RESISTANCE:
 $R = 3.0$

ANALYSIS PROCEDURE - EQU. LAT. FORCE PROCEDURE

GENERAL NOTES (CONTINUED):

5. THE DIMENSIONS, LOCATIONS, AND DETAILS SHOWN ARE BASED ON THE BEST AVAILABLE INFORMATION AT THE TIME OF PREPARATION OF THESE DRAWINGS. DEVIATIONS WHICH ARE NECESSARY OR WHICH CONFLICT SHALL BE REPORTED TO THE ENGINEER AND/OR OWNER. CONTRACTOR SHALL HAVE FULL RESPONSIBILITY FOR DEVIATIONS NOT APPROVED BY THE ENGINEER OF RECORD.
6. CONTRACTOR SHALL CHECK AND VERIFY ALL DIMENSIONS AND CONDITIONS ON THE JOB SITE AND REPORT ANY ERRORS, OMISSIONS, OR POSSIBLE DISCREPANCIES TO THE DESIGN ENGINEER AND/OR THE OWNER PRIOR TO COMMENCING ANY WORK. SPECIAL CARE SHALL BE GIVEN TO SITE AND BUILDING LAYOUT THEREON.
7. UNLESS SHOWN ON THE DRAWINGS, SUBSTITUTION OF STRUCTURAL MEMBERS SHALL NOT BE PERMITTED WITHOUT PRIOR APPROVAL OF THE DESIGN ENGINEER.
8. ALL MATERIALS AND WORKMANSHIP SHALL CONFORM TO THE REQUIREMENTS OF BOTH LOCAL ORDINANCES AND THE APPLICABLE BUILDING CODE(S).
9. THESE NOTES SHALL BE SUPPLEMENTARY TO ALL OTHER SPECIFICATIONS IF PROVIDED. SHOULD ANY CONFLICT EXIST BETWEEN THESE NOTES AND THE SPECIFICATIONS, THE MORE STRINGENT PROVISION SHALL GOVERN UNLESS APPROVED OTHERWISE BY THE DESIGN ENGINEER.
10. ALL STUD WALLS SHALL HAVE A DIRECT MECHANICAL ATTACHMENT TO THE FOUNDATION, ELEVATED FLOORS, AND ROOF FRAMING.
11. THE CONTRACTOR SHALL BE RESPONSIBLE FOR CONFIRMING AND CORRELATING ALL QUANTITIES AND DIMENSIONS, FABRICATION, AND CONSTRUCTION METHODS AND COORDINATING THIS WORK WITH ALL OTHER TRADES.
12. SHOP DRAWINGS ARE AN AID FOR FIELD PLACEMENT, AND ARE SUPERSEDED BY THE STRUCTURAL DRAWINGS. IT SHALL BE THE RESPONSIBILITY OF THE GENERAL CONTRACTOR TO MAKE CERTAIN THAT ALL CONSTRUCTION IS IN FULL AGREEMENT WITH THE LATEST STRUCTURAL DRAWINGS.
13. THE REVIEW OF SHOP DRAWINGS, WHERE REQUIRED BY THE ENGINEER OF RECORD, DOES NOT GUARANTEE IN ANY WAY THAT THE SHOP DRAWINGS ARE CORRECT NOR DOES IT INFER THAT THEY SUPERSEDE THE STRUCTURAL DRAWINGS NOTWITHSTANDING HAND WRITTEN COMMENTS MADE BY THE ENGINEER OF RECORD THAT MAY APPEAR ON THE SHOP DRAWINGS AFTER THE ENGINEER OF RECORD'S REVIEW.
14. REFER TO ARCHITECTURAL AND MECHANICAL/ELECTRICAL/PLUMBING PLANS FOR ALL ANCHORS, INSERTS, PLUGS AND SUCH EMBEDDED ITEMS NOT SHOWN ON STRUCTURAL PLANS.
15. NO SLEEVES OR OTHER PENETRATIONS SHALL BE ALLOWED THROUGH STRUCTURAL MEMBERS WITHOUT PRIOR APPROVAL OF THE DESIGN ENGINEER
16. OPTIONS, IF PROVIDED HEREIN, ARE FOR CONTRACTOR'S CONVENIENCE. HE SHALL BE RESPONSIBLE FOR ALL CHANGES NECESSARY, FOR COORDINATING ALL DETAILS, AND FOR OBTAINING ALL REQUIRED APPROVALS.
17. COSTS OF ADDITIONAL DESIGN WORK NECESSITATED BY SELECTION OF AN OPTION OR DUE TO ERRORS OR OMISSIONS IN CONSTRUCTION SHALL BE BORNE BY THE CONTRACTOR.
18. ALL PROPRIETARY MEMBERS ARE DEFERRED SUBMITTAL ITEMS
19. SHOP DRAWINGS FOR THE FOLLOWING BUILDING COMPONENTS NOT SPECIFIED ON THE PROJECT CONSTRUCTION DOCUMENTS APPROVED FOR BUILDING PERMIT SHALL BE SEALED AND SIGNED BY A PROFESSIONAL ENGINEER REGISTERED IN THE STATE OF GEORGIA AND SUBMITTED TO GWINNETT COUNTY BUILDING PLAN REVIEW AFTER APPROVAL BY THE PROJECT ENGINEER-OF-RECORD: TRUSS (ROOF)
NOTE: THE DEPT. OF PLANNING & DEVELOPMENT WILL NOT PROVIDE ANY FRAMING INSPECTIONS FOR THE PROJECT UNTIL THE REQUIRED SHOP DRAWINGS HAVE BEEN SUBMITTED TO BUILDING PLAN REVIEW FOR REVIEW AND APPROVAL.
20. CONTRACTOR SHALL REVIEW ALL SHOP DRAWINGS AND VERIFY ALL DIMENSIONS PRIOR TO SUBMITTING SAME TO THE ARCHITECT AND/OR ENGINEER FOR REVIEW. ARCHITECT AND ENGINEERS REVIEW OF THESE SHOP DRAWINGS IS FOR CONFORMANCE WITH THE DESIGN CONCEPT AND GENERAL COMPLIANCE WITH THE CONTRACT DOCUMENTS.
21. ALL SHOP DRAWINGS SHALL BE PREPARED UNDER THE DIRECT SUPERVISION OF A PROFESSIONAL ENGINEER LICENSED ON THE STATE OF GEORGIA. COMPLETE SHOP DRAWINGS FOR CONSTRUCTION OF ALL APPLICABLE SPECIALTY ITEMS SHALL BE SEALED AND SIGNED BY A PROFESSIONAL ENGINEER AND SHALL BE AVAILABLE AT THE JOB SITE DURING THE TIMES OF INSPECTION.
22. PROFESSIONAL ENGINEER QUALIFICATIONS: A PROFESSIONAL ENGINEER WHO IS LEGALLY AUTHORIZED TO PRACTICE IN JURISDICTION WHERE THE PROJECT IS LOCATED AND WHO IS EXPERIENCED IN PROVIDING ENGINEERING SERVICES OF THE KIND INDICATED.
24. CONTRACTOR SHALL BE RESPONSIBLE FOR ALL BRACING DURING CONSTRUCTION. FOUNDATION WALLS WHICH ARE SHOWN TIED INTO SLAB-ON-GRADE OR FLOOR/ROOF FRAMING SHALL BE BRACED AGAINST BACK FILL MOVEMENT UNTIL SLAB/FRAMING (INCLUDING DECK) IS COMPLETED. THOUGH DETAILS DO MAY NOT INDICATE, ADEQUATE DRAINAGE MUST BE PROVIDED BEHIND WALLS TO ELIMINATE UNANTICIPATED HYDROSTATIC LOADING. PROVIDE ADEQUATE SHORING OR BRACING DURING CONSTRUCTION TO RESIST ALL REQUIRED FORCES SUCH AS (BUT NOT LIMITED TO) DEAD LOADS, LIVE LOADS, SOIL PRESSURES, CONSTRUCTION LOADS, WIND AND UNBALANCED LOADING. PROVIDE TEMPORARY SAFETY ENCLOSURES AS NECESSARY TO PROTECT ALL PERSONNEL INVOLVED WITH THIS PROJECT.
25. SHOP DRAWINGS FOR THE FOLLOWING BUILDING COMPONENTS NOT SPECIFIED ON THE PROJECT CONSTRUCTION DOCUMENTS APPROVED FOR BUILDING PERMIT SHALL BE SEALED AND SIGNED BY A PROFESSIONAL ENGINEER REGISTERED IN THE STATE OF GEORGIA AND SUBMITTED TO GWINNETT COUNTY BUILDING PLAN REVIEW FOR REVIEW AFTER APPROVAL BY THE PROJECT ENGINEER-OF-RECORD.

CITY PLAN REVIEWER NOTES:

1. COMPLETE STRUCTURAL SHOP DRAWINGS FOR CONSTRUCTION OF EACH BUILDING COMPONENT NOT DESIGNED BY THE DESIGN TEAM-OF-RECORD AND NOT SPECIFIED ON THE PROJECT CONSTRUCTION DOCUMENTS SHALL BE SEALED AND SIGNED BY A PROFESSIONAL ENGINEER IN THE STATE OF GEORGIA AND GET APPROVAL FROM ENGINEER OF RECORD PRIOR TO THE SUBMITTAL (SEE SUBMITTAL REQUIREMENTS) AND SHALL BE AVAILABLE AT THE JOB SITE DURING TIMES OF INSPECTION. SEE SHOP DRAWING SUBMITTAL REQUIREMENTS.
2. THE STRUCTURAL DRAWINGS AS SUBMITTED HAVE BEEN REVIEWED FOR CODE COMPLIANCE AND APPEAR TO BE IN COMPLIANCE WITH THE 2012 INTERNATIONAL BUILDING CODE WITH GEORGIA STATE AMENDMENTS. FUTURE REVISIONS TO THESE DRAWINGS SHALL REQUIRE FURTHER REVIEW AND AUTHORIZATION.
3. SPECIAL INSPECTION REPORTS AND FINAL REPORT IN ACCORDANCE WITH SECTION 1704.2.4 SHALL BE SUBMITTED TO THE BUILDING OFFICIAL PRIOR TO THE TIME THAT PHASE OF WORK IS APPROVED FOR OCCUPANCY.

CONCRETE NOTES:

1. ALL CONCRETE SHALL HAVE A MAXIMUM SLUMP OF 4" AND A MINIMUM 28 DAY COMPRESSIVE STRENGTH AS FOLLOWS:
- FOOTINGS 3000 PSI (FO, SO, PO, CI)
INTERIOR SLAB ON GRADE 3000 PSI (FO, SO, PO, CO)
EXTERIOR SLAB ON GRADE 4500 PSI (FO, SO, PO, CO)
FOUNDATION AND RETAINING WALLS 4000 PSI U.N.O. (FO, SO, PO, CO)
0.45 SEE ACI 318 FOR EXPOSURE CLASSIFICATION AND CONCRETE MIX REQUIREMENTS.
- IF SULFATE CONTENT AT THE SITE IS AT A LEVEL REQUIRING A MORE STRINGENT EXPOSURE CLASS THAN THAT SPECIFIED ABOVE FOR ANY CONCRETE DESIGNATION, THE ENGINEER SHALL BE NOTIFIED, AND THE CONCRETE MIXES SHALL BE REVISED AS REQUIRED.
2. AIR ENTRAINING AGENTS SHALL BE USED TO PRODUCE 3% TO 6% AIR BY VOLUME IN ALL CONCRETE, BUT IT SHALL NOT BE LESS THAN THAT REQUIRED FOR THE EXPOSURE CLASS OF THE CONCRETE. AIR CONTENT ON INTERIOR SLABS SHALL NOT BE AIR ENTRAINED. THE SURROUNDING AIR THAT MAY ENTRAIN THE CONCRETE DURING THE MIXING PROCESS SUCH AS WHEN IN THE ROTATING DRUM SHALL NOT EXCEED 3%.
3. C.J. ON PLANS INDICATES CONSTRUCTION JOINTS OR CONTROL JOINTS. IF NOT SHOWN OTHERWISE; MAINTAIN A MAXIMUM AREA BOUNDED BY SLAB CONTROL JOINTS OF 400 S.F. (20'-0" x 20'-0") WITH THE MAXIMUM SIDE RATIO OF WHICH SHALL BE 1.5:1
- PROVIDE JOINTS OR REINFORCEMENT AT ALL RE-ENTRANT SLAB CORNERS SUCH AS INSIDE CORNERS OF AN L-SHAPED SLAB. IF REINFORCEMENT IS UTILIZED, THESE RE-ENTRANT CORNERS SHALL HAVE TWO PIECES OF #4 REINFORCING BAR 48 INCHES LONG PLACED DIAGONALLY TO THE CORNER, 12 INCHES APART, WITH THE FIRST BAR PLACED 2 INCHES FROM THE CORNER. ALL REINFORCEMENT SHALL BE APPROPRIATELY POSITIONED IN THE UPPER THIRD OF THE SLAB.
4. ALL STEEL BAR REINFORCEMENT SHALL BE A.S.T.M. A-615, GRADE 60.
5. MAINTAIN MINIMUM CONCRETE COVERAGE FOR REINFORCING STEEL AS INDICATED UNLESS OTHERWISE NOTED IN THE DRAWINGS.
- A. 3" CLEAR WHERE CONCRETE IS DEPOSITED DIRECTLY AGAINST EARTH.
- B. 2" CLEAR WHERE CONCRETE IS EXPOSED TO EARTH OR WEATHER BUT CAST AGAINST FORMS FOR BARS #6 OR LARGER.
- C. 1 1/2" CLEAR WHERE CONCRETE IS EXPOSED TO EARTH OR WEATHER BUT CAST AGAINST FORMS FOR BARS #5 OR SMALLER.
- D. 3/4" CLEAR FOR SLABS AND WALLS FORMED ABOVE GRADE AND NOT EXPOSED TO WEATHER.
- E. 1-1/2" CLEAR FOR BEAMS AND COLUMNS FORMED ABOVE GRADE AND NOT EXPOSED TO WEATHER.
6. UNLESS NOTED OTHERWISE IN THE DRAWINGS, CAST IN PLACE CONCRETE SHALL HAVE THE FOLLOWING TRIM STEEL ADDED AROUND ALL OPENINGS: TWO (2) - #5 BARS (LENGTH OF BARS = LENGTH OF OPENING + 4'-0") ALONG EACH SIDE OF OPENING AND TWO (2) - #5 x 5'-0" DIAGONALLY AT EACH CORNER.
7. FOOTINGS ARE DESIGNED FOR AN ASSUMED ALLOWABLE SOIL BEARING CAPACITY OF 2000 P.S.F. ALL FOOTING EXCAVATIONS SHALL BE EVALUATED BY THE GEOTECHNICAL ENGINEER PRIOR TO THE PLACEMENT OF CONCRETE. FOR DETAILS OF FILL AND COMPACTION REQUIREMENTS, REFER TO CIVIL DRAWINGS AND THE SPECIFICATIONS. SLAB ON GRADE DESIGNED FOR A SUBGRADE REACTION OF 125 P.C.I.
8. WELDED WIRE FABRIC (W.W.F.) SHALL CONFORM TO THE REQUIREMENTS OF THE STANDARD SPECIFICATIONS FOR COLD-DRAWN STEEL WIRE FOR CONCRETE REINFORCEMENT A.S.T.M. A-185. ALL WELDED WIRE FABRIC SHALL BE CLEAN AND FREE OF EXCESSIVE RUST.
9. DESIGN OF CONCRETE STRUCTURAL ELEMENTS IS IN ACCORDANCE WITH ACI 318-11 (BUILDING CODE REQUIREMENTS FOR STRUCTURAL CONCRETE)
10. RESULTS FOR ALL CONCRETE COMPRESSIVE STRENGTH TESTS SHALL BE AVAILABLE AT THE JOB SITE.
11. SEE ARCHITECTURAL DRAWINGS/SPECIFICATIONS FOR CONCRETE FLOOR FINISH REQUIREMENTS.
12. FLY ASH MAY BE USED AS A DIRECT SUBSTITUTE FOR PORTLAND CEMENT. FLY ASH MUST CONFORM TO ALL ASPECTS OF ASTM C618-84 STANDARD SPECIFICATION FOR FLY ASH. CLASS F OR CLASS C FLY ASH MAY BE USED, HOWEVER, TOTAL LOSS ON IGNITION OF FLY ASH MUST BE 3% OR LESS. FLY ASH MAY BE SUBSTITUTED ON A 1:1 RATIO BY WEIGHT AND ONLY UP TO A 20% REDUCTION IN THE ORIGINAL CEMENT CONTENT. CONCRETE PROPORTIONS SHALL BE SELECTED ON THE BASIS OF TRIAL MIXES CONFORMING TO A.C.I. 211.1.
13. ALL CONCRETE SHALL BE OF NORMAL WEIGHT (HARD ROCK, AGGREGATE). CONCRETE DESIGN MIX SHALL BE IN ACCORDANCE WITH THE AMERICAN CONCRETE INSTITUTE (ACI) BUILDING CODE REQUIREMENTS
14. ALL CONCRETE SHALL BE DESIGNED, MIXED, TRANSPORTED AND PLACED IN ACCORDANCE WITH THE LATEST SPECIFICATIONS OF ACI.
15. ADEQUATE CURING OF CONCRETE, ESPECIALLY DURING HOT WEATHER, SHALL BE PROVIDED TO PREVENT FORMATION OF SHRINKAGE CRACKS.
16. CONCRETE SURFACES SHALL BE FINISHED AS CALLED FOR ON PLANS AND SPECIFICATIONS, OR AS DIRECTED BY THE OWNER.
17. ALL REINFORCEMENT SHALL BE DESIGNED AND DETAILED IN ACCORDANCE WITH THE LATEST EDITION OF THE ACI "MANUAL OF STANDARD PRACTICES FOR DETAILING CONCRETE STRUCTURES."
18. REINFORCEMENT SHALL BE SECURELY SUPPORTED TO PREVENT BOTH VERTICAL AND HORIZONTAL MOVEMENTS DURING PLACEMENT OF CONCRETE. REINALL BE SUPPORTED WITH PLASTIC CHAIRS OR BOLSTERS AND SHALL BE TIED AT EVERY OTHER INTERSECTION. ALL REINFORCING STEEL SHALL BE SECURELY WIRED AND PROPERLY SUPPORTED ABOVE GROUND AND AWAY FROM FORMS
19. SPLICE BARS IN MEMBERS SUCH AS SPANDRELS, BEAMS, ETC AS FOLLOWS: TOP BARS AT CENTERLINE OF SPAN, BOTTOM BARS AT THE SUPPORT.
20. CONSTRUCTION JOINTS SHALL HAVE ENTIRE SURFACE REMOVED TO EXPOSE CLEAN, SOLIDLY EMBEDDED AGGREGATE. THE CONTRACTOR SHALL OBTAIN THE ENGINEER'S APPROVAL OF CONSTRUCTION JOINT LOCATION IN SLABS AND BEAMS.
21. TEMPERATURE AND SHRINKAGE REINFORCEMENT: LAP OF THIRTY (30) BAR DIAMETERS, BUT NOT LESS THAN 18 INCHES, AND THE SPLICES IN ADJACENT BARS SHALL BE A MINIMUM OF (5) FEET APART
22. CONCRETE TEST REPORTS SHALL BE AVAILABLE AT THE JOB SITE

MICHAEL
JON MJM
MCCAULEY, P.E.
STRUCTURAL ENGINEERING

114 OLD MILL ROAD
DARTERSVILLE, GA 30120
(678) 373-6691 OFFICE
(404) 592-6179 FAX
COA#: PE0007101

NOTE:

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MJM
STRUCTURAL ENGINEERING

Stamp



Revisions

No.	Date	Description

PROJECT NAME AND ADDRESS
NEVA PAVILION

GEORGIA

DATE

03/08/23

Sheet Title

GENERAL
NOTES

S1.0

RELEASED FOR CONSTRUCTION

STEEL NOTES:

- ALL STRUCTURAL STEEL SHALL BE PROVIDED AS FOLLOWS:
RECTANGULAR/SQUARE HSS SHAPES (ASTM A500 Gr. B) 46 K.S.I. YIELD
ROUND HSS SHAPES (ASTM A500 Gr. B) 42 K.S.I. YIELD
STEEL PIPES (ASTM A53 Gr. B) 35 K.S.I. YIELD
W SHAPES (ASTM A992) 50 K.S.I. YIELD
C SHAPES (ASTM A572) 50 K.S.I. YIELD
STRUCTURAL STEEL U.N.O. (ASTM A36) 36 K.S.I. YIELD
- ALL STRUCTURAL FASTENERS SHALL BE PROVIDED AS FOLLOWS:
BOLTED CONNECTIONS IN STEEL FRAMEWORK U.N.O. (3/4"Ø MIN. ASTM A325--N)
ALL SLIP CRITICAL CONNECTIONS SHALL BE 7/8"Ø A490 BOLTS WITH STANDARD HOLES PRETENSIONED PER AISC MANUAL 13th EDITION TABLE J3.1 (4 BOLTS MIN.)
CARBON AND ALLOY NUTS (ASTM A563)
ANCHOR ROD NUTS SHALL BE HEAVY HEX
NUTS GRADE A EXCEPT THAT GRADE DH
SHALL BE USED FOR Gr. 105 ANCHOR RODS
HARDENED STEEL WASHERS (ASTM F436)
PLATE WASHERS (ASTM A36)
U.N.O. MINIMUM WASHER SIZE FOR ANCHOR RODS IN BASE PLATES SHALL BE AS FOLLOWS:
A. U.N.O. MINIMUM WASHER SIZE AND THICKNESS SHALL BE IN COMPLIANCE WITH THE AISC MANUAL 13th EDITION (PART 14: TABLE 14--2) FOR THE GIVEN ROD DIAMETER.
B. HOLE DIAMETER SHALL BE 1/16" LARGER THAN ANCHOR ROD DIAMETER (I.E. STANDARD HOLES)
COMPRESSABLE--WASHER--TYPE DIRECT TENSION INDICATORS (ASTM F959)
THREADED RODS (ASTM A36)
3/4"Ø ANCHOR RODS (THREADED) U.N.O. (ASTM F1554 Gr. 36)

- U.N.O. COLUMN BASE PLATES SHALL BE 6" LARGER IN EACH DIRECTION THAN THE NOMINAL DIMENSION OF THE SUPPORTED COLUMN (i.e. 12" SQUARE BASE PLATE FOR 6"Ø OR 6" SQ. COLUMN and 10" SQUARE BASE PLATE FOR 4"Ø OR 4" SQ. COLUMN). ALL BASE PLATES SHALL BE ANCHORED TO FOOTING BELOW WITH 4 - 3/4"Ø x 1'-1" THREADED ANCHOR RODS (9" EMBEDMENT+ 4" PROJECTION) UNLESS SPECIFICALLY NOTED OTHERWISE. THREADED ANCHOR RODS SHALL HAVE DOUBLE HEAVY HEX NUTS AT THE ANCHORED END. THE DOUBLE NUTS AT THE ANCHORED END ARE REQUIRED TO PREVENT ROTATION DURING TIGHTENING OF THE ANCHOR. AS SUCH, THE BOTTOM NUT IS ESSENTIALLY A JAMB NUT.
BASE PLATES SHALL BE 3/4" THICK U.N.O. PROVIDE A MAX HOLE DIAMETER, PER AISC MANUAL 13th EDITION (PART 14: TABLE 14--2), FOR THE GIVEN ROD DIAMETER. IF THE SMALLER DIMENSION OF THE BASE PLATE IS GREATER THAN 24 INCHES, PROVIDE 2" DIAMETER GROUT HOLES IN THE INTERIOR OF THE BASE PLATE. IF MORE THAN ONE HOLE IS REQUIRED, THEY SHALL BE SPACED APPROXIMATELY 18" APART. AT A MINIMUM, ALL BASE PLATES WITH A SURFACE AREA GREATER THAN 200 SQUARE INCHES SHALL HAVE 1/4"Ø AIR RELIEF HOLE(S) IN THE INTERIOR OF THE BASE PLATE AT A MAX SPACING OF 18" O.C. TO RELIEVE THE ENTRAPPED AIR AS THE GROUT IS PUMPED FROM THE EDGE AND TO ENSURE FULL BEARING. THE BASE PLATE MUST BE IN DIRECT CONTACT WITH THE GROUT AND NOT BE SUPPORTED BY LEVELING NUTS OR PERMANENT SHIM PACTS. ONE TECHNIQUE TO ACHIEVE FULL GROUT SUPPORT IS TO SET THE BASE PLATE ON TEMPORARY SHIM PACTS (SHIM STACK METHOD) TO THE PROPER ELEVATION, GROUT THE BASE PLATE AND THEN REMOVE THE SHIMS AND GROUT THE RESULTING VOIDS.

- COORDINATE PRIMER FOR ALL EXPOSED STEEL WITH REQUIREMENTS OF SECTION 09960.
- CONTRACTOR SHALL PROVIDE CONTINUOUS L 5x3x1/4" (L.L.V.) OR 4x3x1/4" (L.L.V.) AS TYPICAL SLAB CLOSURE ANGLES U.N.O. ON PLANS, DETAILS OR SECTIONS.
- STRUCTURAL STEEL MEMBERS THAT ARE TO RECEIVE SPRAYED--ON FIREPROOFING OR BE ENCASED IN LIGHTWEIGHT CONCRETE SHALL NOT BE SHOP PRIMED OR PAINTED.
- UNLESS NOTED OTHERWISE IN THE DRAWINGS, ALL FILLET WELDS SHALL BE 3/16". ALL WELDS SHALL BE MADE WITH E-70 ELECTRODES. MIN LENGTH OF INTERMITTENT WELDS SHALL BE 1". WELD SPACING SHALL BE 6" O.C. UNLESS NOTED OTHERWISE.
- UNLESS OTHERWISE SHOWN, ALL BEAM CONNECTIONS SHALL BE STANDARD FRAMED OR SEATED CONNECTIONS AS SHOWN IN PART 3 OF THE AISC MANUAL OF STEEL CONSTRUCTION. UNLESS GREATER REACTIONS ARE INDICATED ON THE PLANS, CONNECTIONS SHALL DEVELOP AT LEAST 70% OF THE TOTAL UNIFORM LOAD CAPACITY TABULATED IN THE TABLES OF THE AISC MANUAL 13th EDITION (Part 3: TABLES 3--6 THRU 3--9) FOR THE GIVEN SHAPE AND SPAN OF THE BEAM IN QUESTION. IN NO CASE HOWEVER, SHALL THE DEPTH OF THE FRAMED CONNECTIONS BE LESS THAN 80% OF THE "T" DISTANCE OF THE BEAM WEB.
- GRIND EXPOSED WELDS SMOOTH AND FLUSH, TO MATCH AND BLEND WITH ADJOINING SURFACES.
- PROVIDE ONE SHOP COAT OF A RUST INHIBITIVE PRIMER TO ALL STRUCTURAL STEEL MEMBERS. DO NOT PAINT SURFACES TO BE WELDED, EMBEDDED IN CONCRETE OR MASONRY, OR CONTACT SURFACES OF FRICTION CONNECTIONS. STEEL IN NON--CORROSIVE ENVIRONMENTS TO BE EMBEDDED IN CONCRETE WITH ADEQUATE COVER FOR THE ENTIRE LENGTH OF THE MEMBER NEED NOT BE GALVANIZED, BUT IF ANY PORTION OF THE STEEL IS EXPOSED TO THE ENVIRONMENT THEN THE ENTIRE STEEL MEMBER TO BE EMBEDDED IN CONCRETE SHALL BE GALVANIZED DUE TO DISSIMILAR MATERIALS PRODUCING A GALVANIC CELL.

WHERE APPLICABLE, ALL STRUCTURAL STEEL THAT WILL BE PERMANENTLY EXPOSED TO THE WEATHER SHALL HAVE A PROTECTIVE COATING APPLIED PER THE SSPC (SOCIETY FOR PROTECTIVE COATINGS) SPECIFICATIONS AND RECOMMENDATIONS. REFER TO SSPC'S GUIDELINES OR THE MANUFACTURER FOR MAINTENANCE PROCEDURES.

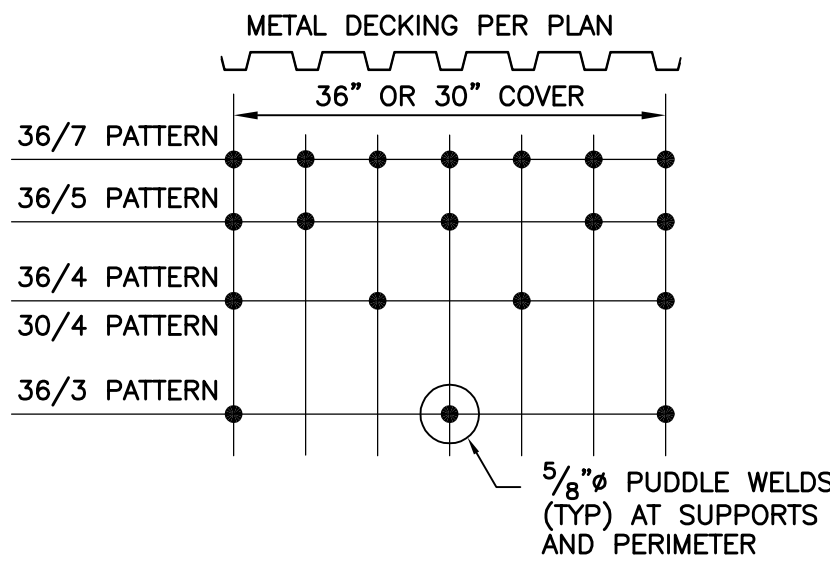
- ALL STRUCTURAL WELDED JOINTS SHALL CONFORM TO THE PROVISIONS OF AWS D1.1--10 STRUCTURAL WELDING CODE BY AMERICAN WELDING SOCIETY. PROOF OF WELDER CERTIFICATION SHALL BE AVAILABLE AT THE JOB SITE DURING TIMES OF INSPECTION.
- BOLTED CONNECTIONS SHALL BE ASSEMBLED AND INSPECTED IN ACCORDANCE WITH RCSC--2009 "SPECIFICATIONS FOR STRUCTURAL JOINTS USING HIGH STRENGTH BOLTS." WELDED CONNECTIONS SHALL CONFORM TO THE PROVISIONS OF AWS D1.1, STRUCTURAL WELDING CODE BY AMERICAN WELDING SOCIETY (SECTION 2207).
- FABRICATION AND/OR ERECTION OF STRUCTURAL STEEL MEMBERS SHALL CONFORM TO THE REQUIREMENTS OF THE "MANUAL OF STEEL CONSTRUCTION," LATEST EDITION, PUBLISHED BY THE AMERICAN INSTITUTE OF STEEL CONSTRUCTION, INC.
- ROOF AND FLOOR DECK SHALL BE STEEL DECK AS INDICATED ON PLANS. DECKING SHALL BE ATTACHED TO SUPPORTING MEMBERS AND CLOSURE ANGLES AND/OR PLATES IN ACCORDANCE WITH VULCRAFT WELD PATTERN STATED ON FRAMING PLANS. DECKING SHALL BE CONTINUOUS OVER (3) SPANS MINIMUM. WELDS AT PERIMETER ARE NOT TO EXCEED THE LESSER OF THE VULCRAFT ATTACHMENT PATTERN SHOWN ON PLAN OR 6".
* USE DECK SIDE LAPS AS SHOWN ON PLANS AT PANEL EDGES:
* ROOF SHEAR CAPACITIES ARE PER SDI (STEEL DECK INSTITUTE) DIAPHRAGM DESIGN MANUAL, SECOND EDITION (DDM02) CALCULATIONS AND VULCRAFT DIAPHRAGM SHEAR STRENGTH AND STIFFNESS TABLES.

STEEL NOTES CONTINUED:

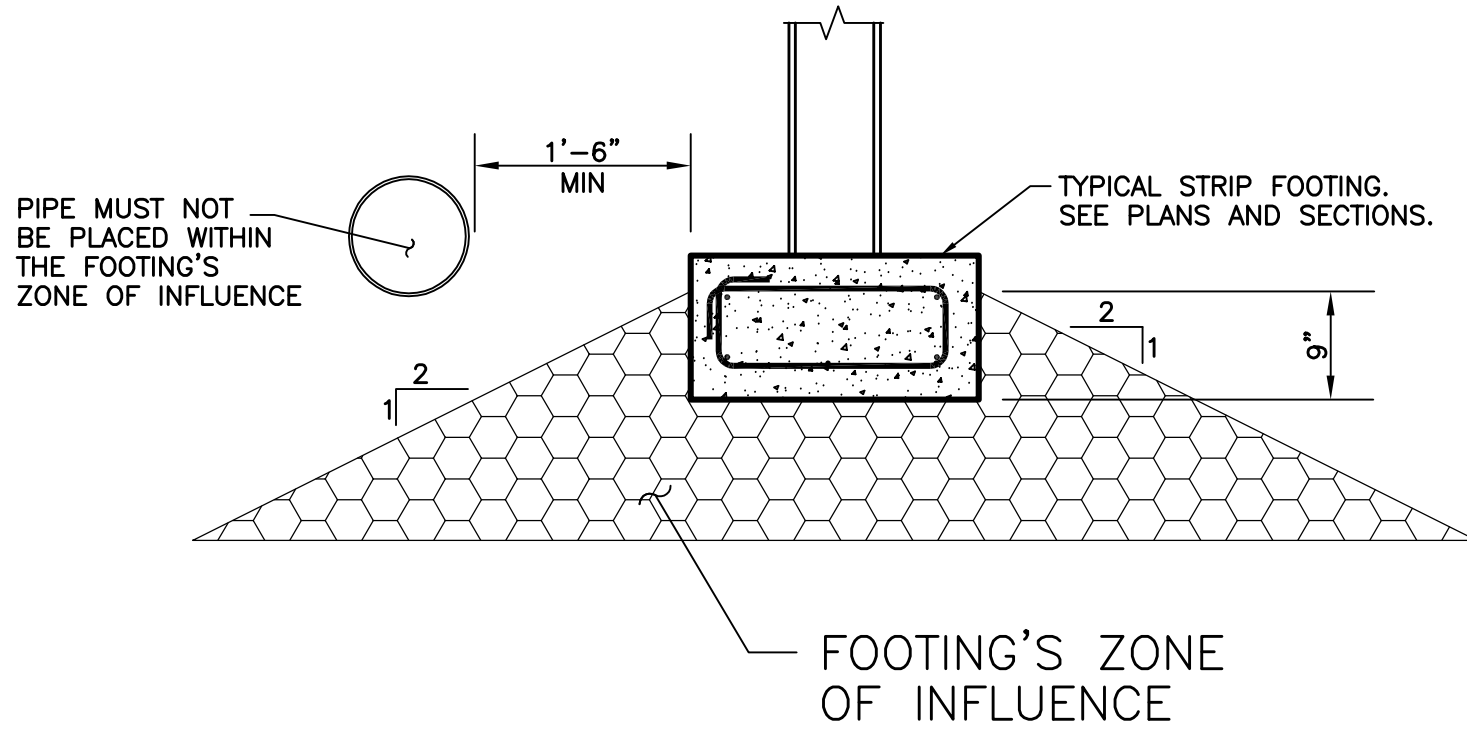
- INSTALLER QUALIFICATIONS: A QUALIFIED INSTALLER WHO PARTICIPATES IN THE AISC QUALITY CERTIFICATION PROGRAM AND IS DESIGNATED AS AN AISC--CERTIFIED ERECTOR, CATEGORY CSE.
- FABRICATOR QUALIFICATIONS: A QUALIFIED FABRICATOR WHO PARTICIPATES IN THE AISC QUALITY CERTIFICATION PROGRAM AND IS DESIGNATED AN AISC--CERTIFIED PLAN, CATEGORY Sbd.
- THE DESIGN OF SPECIAL CONNECTIONS BETWEEN STEEL FRAMING COMPONENTS BY OTHER THAN THE PROJECT STRUCTURAL ENGINEER--OF--RECORD SHALL BE PERFORMED BY A PROFESSIONAL ENGINEER REGISTERED IN THE STATE OF GEORGIA AND SHALL INCLUDE SIMPLE SHEAR BEAM TO COLUMN CONNECTIONS.
- COAT ALL COLUMN BASES EXPOSED TO EARTH W/ BITUMASTIC COATING

METAL ROOF DECK NOTES:

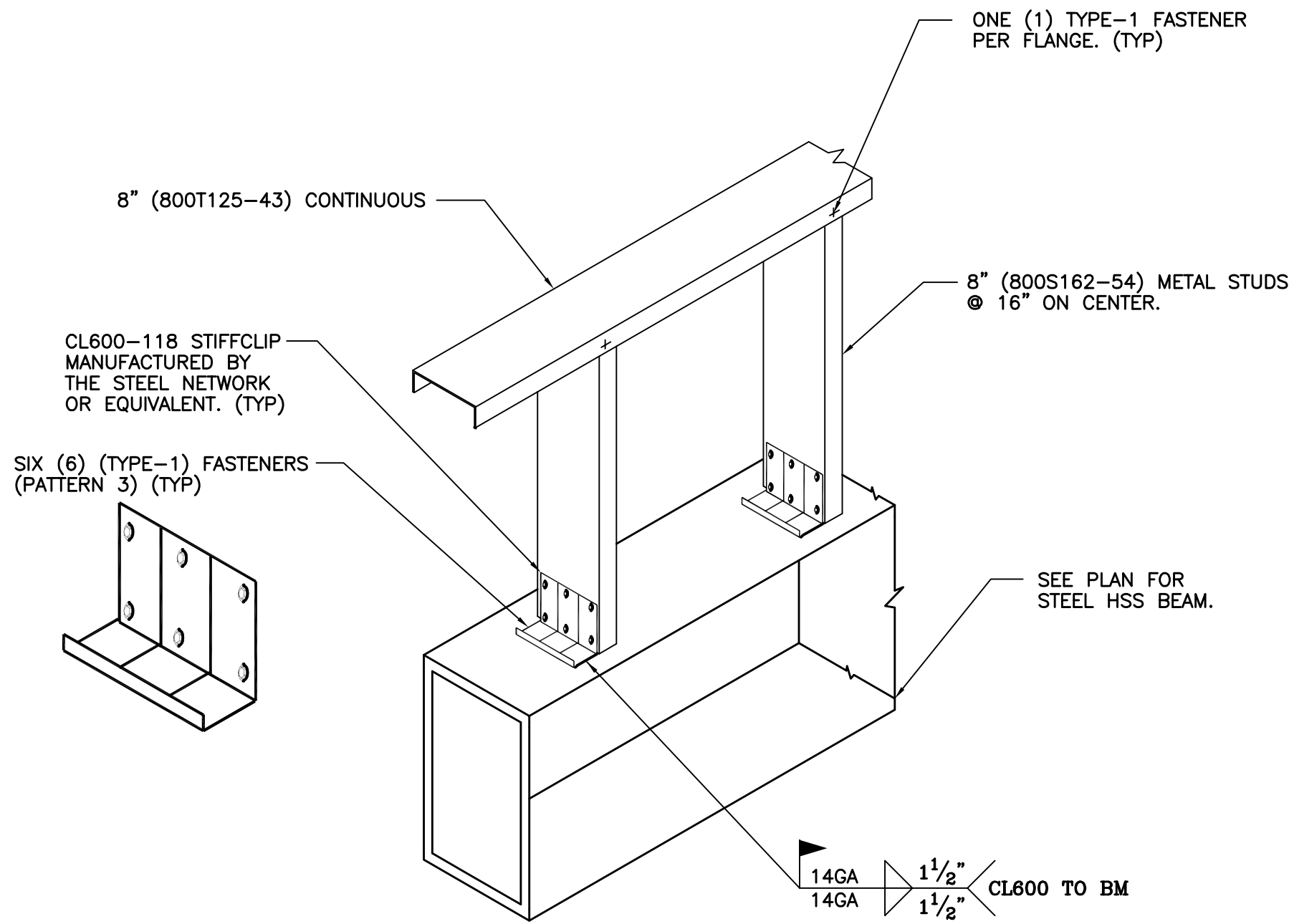
- DECK SHALL BE FASTENED TO SUPPORT STRUCTURE IN STRICT CONFORMANCE WITH THE MANUFACTURER'S AND STEEL DECK INSTITUTE RECOMMENDATIONS BUT NOT LESS THAN THE REQUIREMENTS NOTED ON THE PLANS.
- ROOF DECK SHALL BE INSTALLED THREE SPAN CONTINUOUS MINIMUM.
- HANGERS SHALL NOT BE ATTACHED TO THE ROOF DECK WITHOUT THE PRIOR WRITTEN APPROVAL OF THE ARCHITECT/ENGINEER.
- THE DECK SHALL BE AS MANUFACTURED BY VULCRAFT/NUCOR OR APPROVED.
- ROOF DECK SHALL BE STEEL DECK AS INDICATED ON PLANS. DECKING SHALL BE ATTACHED TO SUPPORTING MEMBERS AND CLOSURE ANGLES AND/OR PLATES IN ACCORDANCE WITH VULCRAFT WELD PATTERN STATED ON FRAMING PLANS. DECKING SHALL BE CONTINUOUS OVER (3) SPANS MINIMUM. WELDS AT PERIMETER ARE NOT TO EXCEED THE LESSER OF THE VULCRAFT ATTACHMENT PATTERN SHOWN ON PLAN OR 6" ON CENTER.
* USE DECK SIDE LAPS AS SHOWN ON PLANS AT PANEL EDGES:
* SHEAR CAPACITIES ARE PER SDI (STEEL DECK INSTITUTE) DIAPHRAGM DESIGN MANUAL, SECOND EDITION (DDM02) CALCULATIONS AND VULCRAFT DIAPHRAGM SHEAR STRENGTH AND STIFFNESS TABLES.
- SEE DETAIL 1/S1.2 FOR DECK ATTACHMENT PATTERNS.



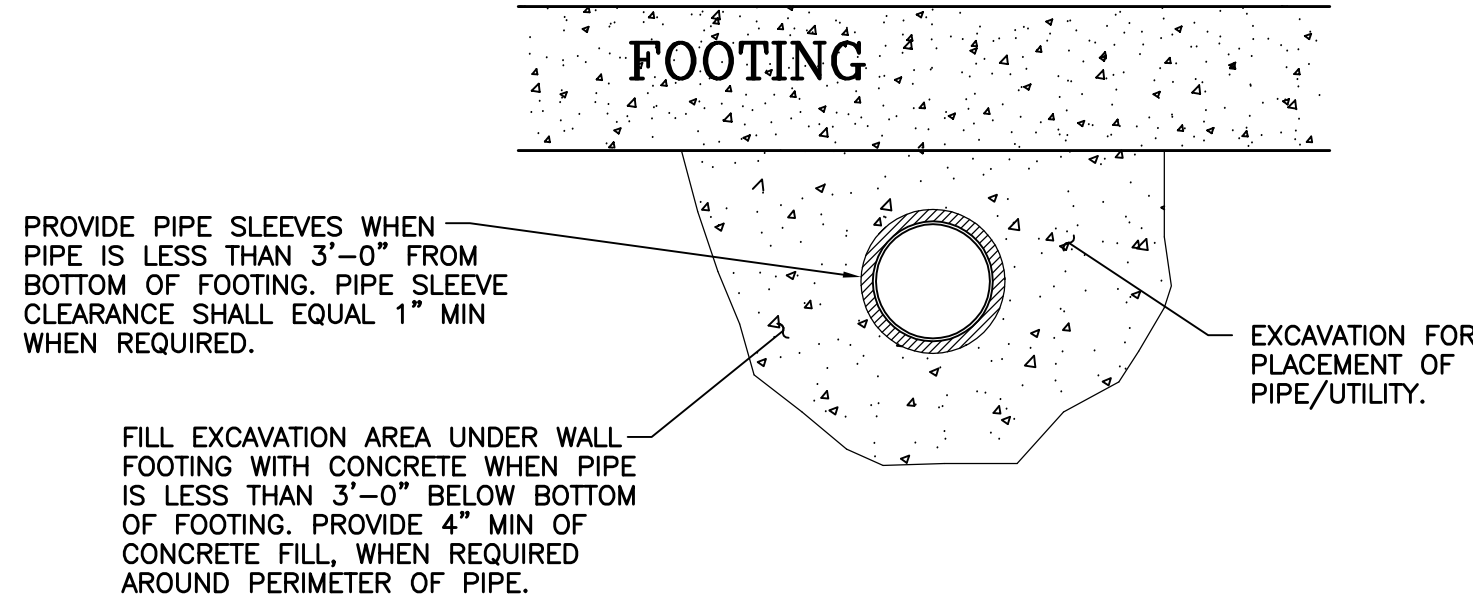
2
S1.1
SCALE: 3/4" = 1'-0"



PIPE/UTILITY
PARALLEL TO FOOTING AND WALL



1
S1.1
SCALE: N.T.S.



PIPE/UTILITY
PERPENDICULAR TO FOOTING

MICHAEL
JON MJM
MCCAULEY, P.E.
STRUCTURAL ENGINEERING
114 OLD MILL ROAD
DARTERSVILLE, GA 30120
(678) 373-6691 OFFICE
(404) 592-6179 FAX
COA#: PE0007101

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Revisions

No.	Date	Description

PROJECT NAME AND ADDRESS
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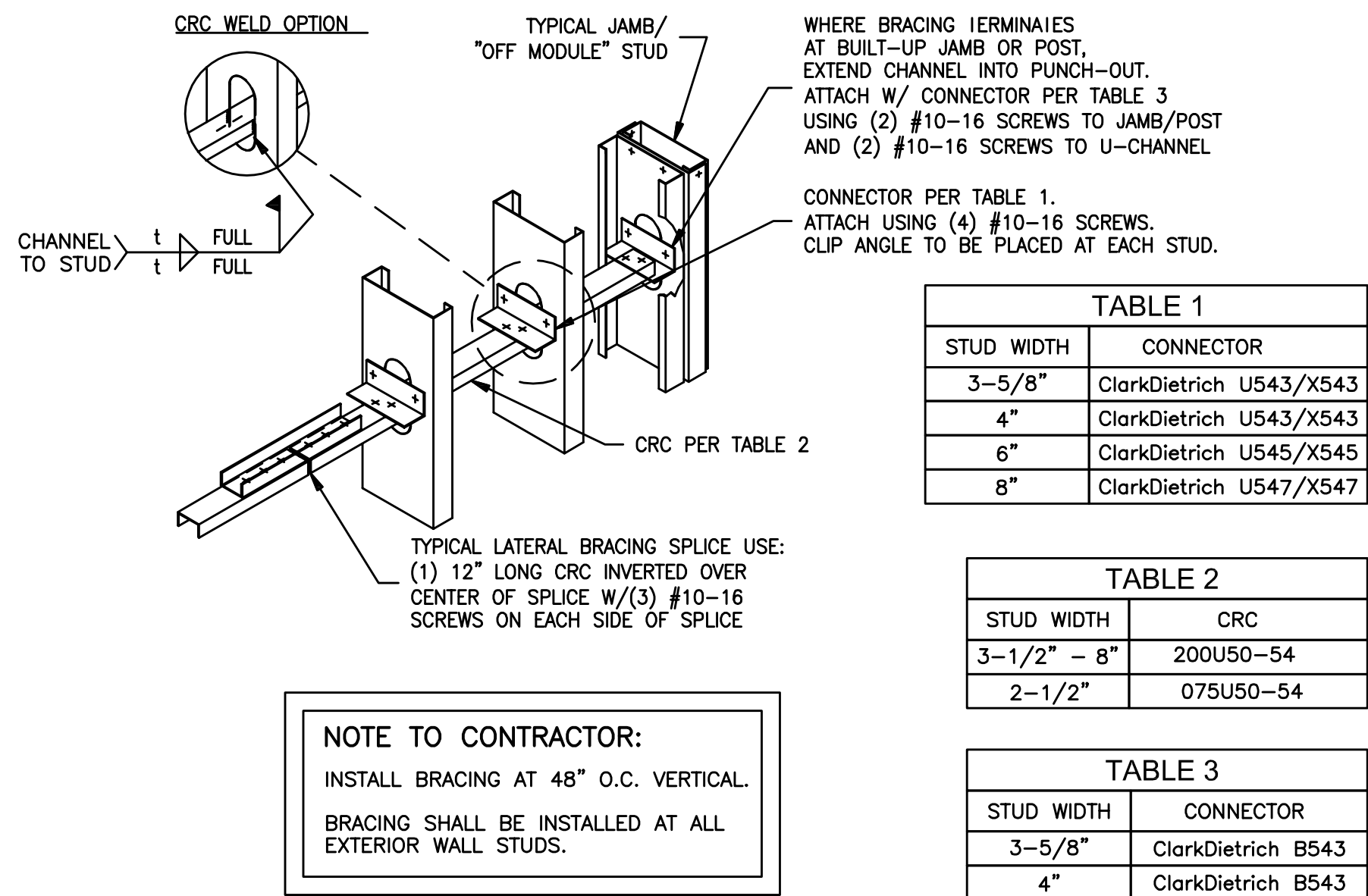
GEORGIA

DATE
03/08/23

Sheet Title
GENERAL
NOTES
& SECTIONS

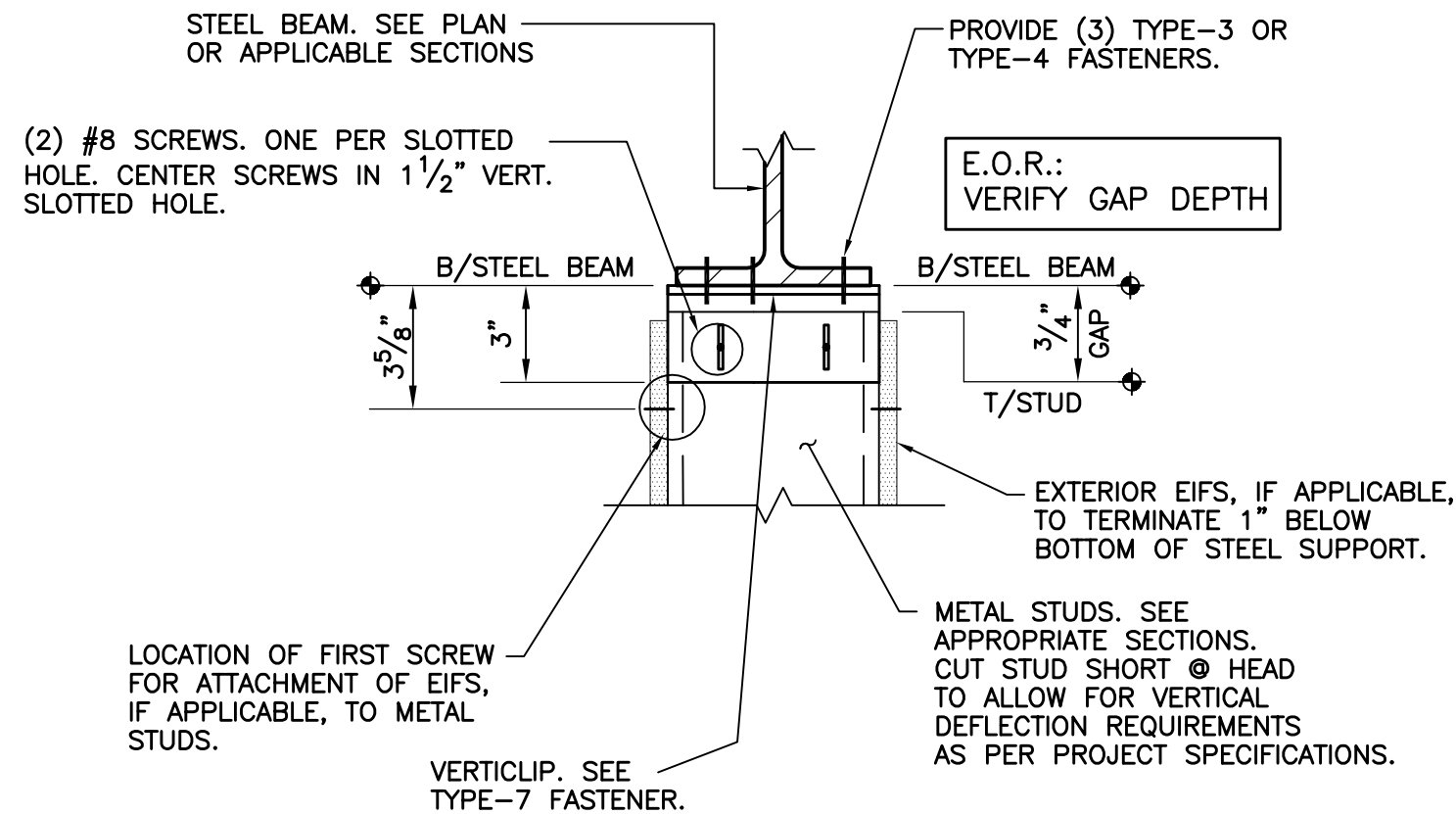
S1.1

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1 TYPICAL WEAK AXIS STUD BRACING

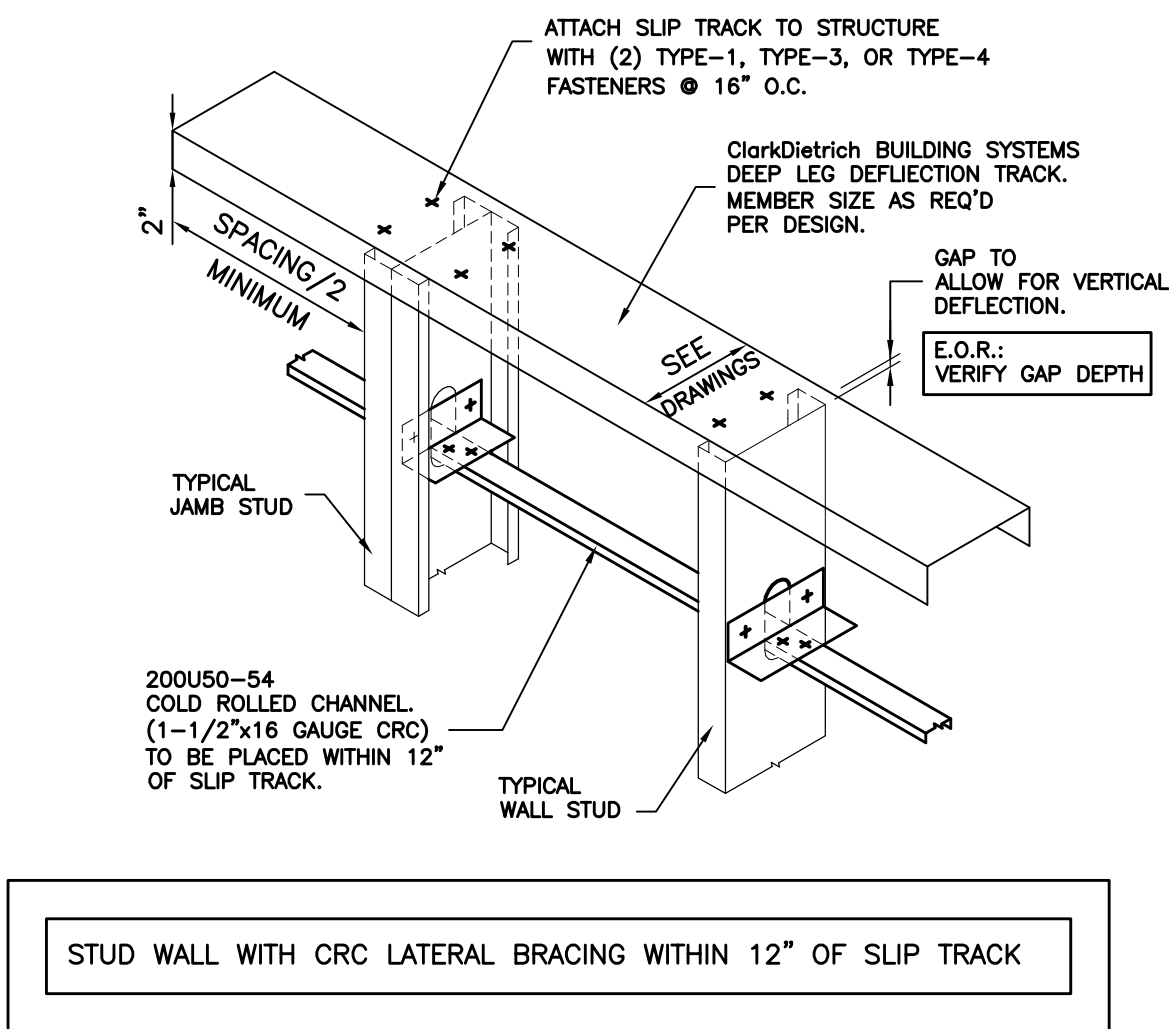
S1.2 SCALE: N.T.S.



5 VERTICLIP SLD (TYPE-7 FASTENER)

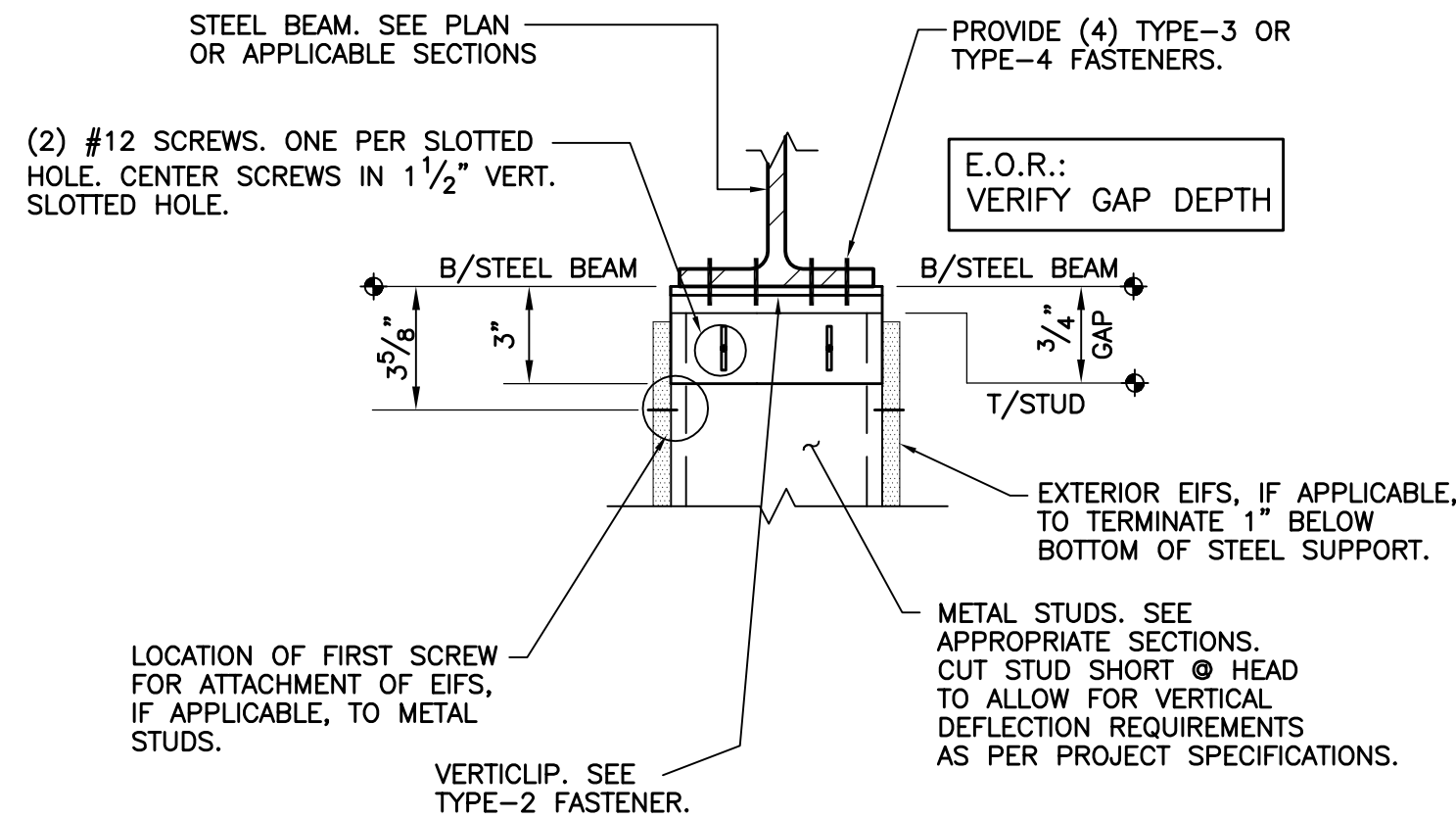
S1.2 SCALE: N.T.S.

MANUFACTURED BY THE STEEL NETWORK



2 DEEP LEG SLIP TRACK (TYPE-8 FASTENER)

S1.2 SCALE: N.T.S.

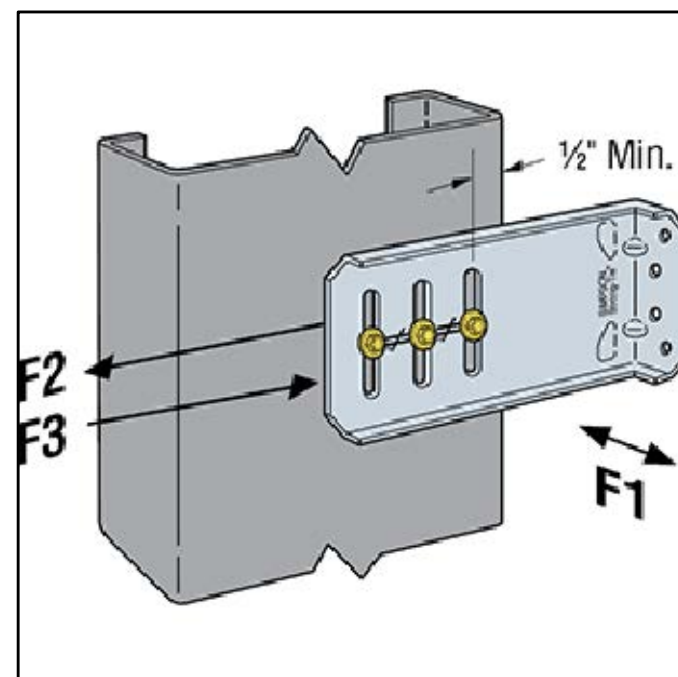


4 VERTICLIP SL (TYPE-2 FASTENER)

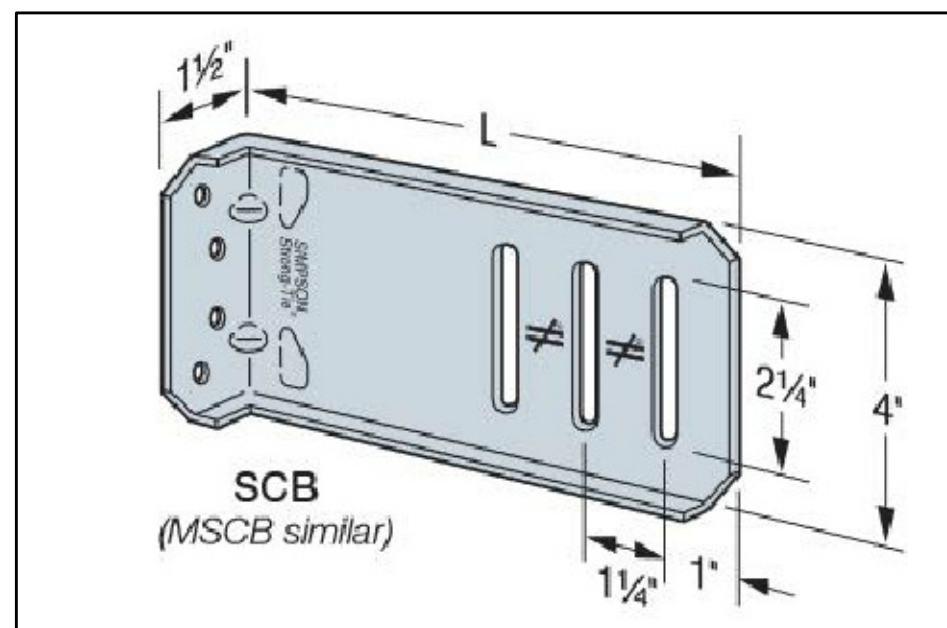
S1.2 SCALE: N.T.S.

MANUFACTURED BY THE STEEL NETWORK

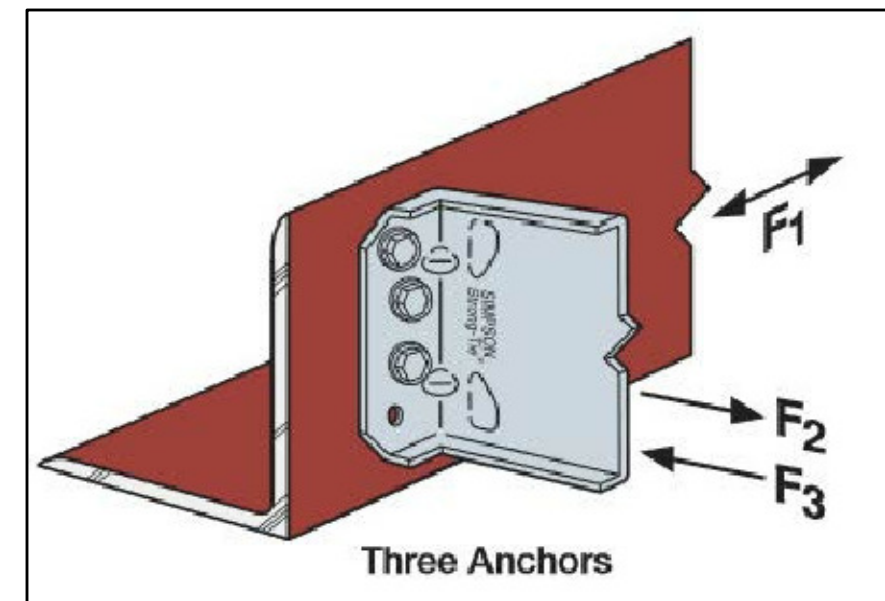
TYPE-6 FASTENER



TYPE-6 FASTENER



TYPE-6 FASTENER



3 SIMPSON STRONG-TIE SCB45.5 CONNECTOR

S1.2 SCALE: N.T.S.

FASTENER SCHEDULE OR APPROVED ALTERNATE FOR COLD-FORMED SECTIONS

TYPE-1 FASTENERS.	TYPE-2 FASTENERS.	TYPE-3 FASTENERS.	TYPE-4 FASTENERS.	TYPE-5 FASTENERS.	TYPE-6 FASTENERS.	TYPE-7 FASTENERS.	TYPE-8 FASTENERS.
ITW BUILDEX TEKS #12-14 x 3/4" SELF TAPPING SCREWS. MINIMUM SPACING = 3/4" MINIMUM EDGE DISTANCE = 3/4" MIN THREAD LENGTH = THICKNESS OF MATERIAL BEING FASTENED PLUS THICKNESS OF BASE MATERIAL MIN SCREW POINT# SHALL BE BASED UPON BASE MATERIAL THICKNESS PER MANUF. SPECS (I.E. #1, #2, #3, #4, OR #5 POINTS) MIN COLD FORM THICKNESS = 20GA (.0346") ALLOWABLE SHEAR/FASTENER = 188 LB ALLOWABLE TENSION/FASTENER = 102 LB MIN COLD FORM THICKNESS = 18GA (.0451") ALLOWABLE SHEAR/FASTENER = 280 LB ALLOWABLE TENSION/FASTENER = 133 LB MIN COLD FORM THICKNESS = 16GA (.0566") ALLOWABLE SHEAR/FASTENER = 569 LB ALLOWABLE TENSION/FASTENER = 283 LB MIN COLD FORM THICKNESS = 22 GA (.029") ALLOWABLE TENSION/FASTENER = 78 LB	TSN 1 1/2" x 3" x STUD DEPTH VERTICLIP SL SERIES OR EQUIVALENT WITH (2) SLOTS. VERTICLIP THICKNESS = 0.0713" (14GA; 68MIL) TOTAL VERTICAL DEFLECTION OF UP TO 1 1/2" (3/4" UP AND 3/4" DOWN) ASTM A1003/A1003M, GRADE 50 Fy = 50 K.S.I.; Fu = 65 K.S.I. G90 HOT DIPPED GALVANIZED COATING CUT STUD SHORT @ HEAD TO ALLOW FOR VERTICAL DEFLECTION REQUIREMENTS AS PER PROJECT SPECIFICATIONS. ALLOWABLE HORIZONTAL LOAD = 561 LBS/CLIP (BOTH DIRECTIONS) FOR 43 MIL STUDS. ALLOWABLE HORIZONTAL LOAD = 1138 LBS/CLIP (BOTH DIRECTIONS) FOR 54 MIL STUDS. ERECT STUDS AFTER ALL DEAD LOAD HAS BEEN APPLIED PROVIDE (4) TYPE-3 OR TYPE-4 FASTENERS FROM VERT CLIP TO CONCRETE OR RED IRON. SEE SECTION 4/S1.2	CONCRETE FASTENERS KWIK-CON II CONCRETE SCREWS NOMINAL ANCHOR DIAMETER = 1/4" MINIMUM EDGE DISTANCE = 1 1/2 INCHES MINIMUM SPACING DISTANCE = 3 INCHES MINIMUM F'c = 2000 P.S.I. NORMAL WEIGHT MINIMUM EMBEDMENT DEPTH = 1 3/4 INCH DRIVE FASTENERS FLUSH INTO CONCRETE ASD TENSION = 425 LBS IN CONCRETE ASD SHEAR = 560 LBS IN CONCRETE MINIMUM METAL STUD THICKNESS = 43 MILS HEAD DIAMETER = 0.3125 INCHES ASD TENSION = 317 LBS ASD SHEAR = 456 LBS MINIMUM METAL STUD THICKNESS = 33 MILS HEAD DIAMETER = 0.3125 INCHES ASD SHEAR = 350 LBS MINIMUM METAL STUD THICKNESS = 43 MILS (18GA) ASD SHEAR = 286 LBS ASD TENSION = 324 LBS PULL OVER MINIMUM METAL STUD THICKNESS = 54 MILS (16GA) ASD SHEAR = 519 LBS ASD TENSION = 500 LBS PULL OVER	STEEL FASTENERS (ESR-2269) HILTI X-U POWER-ACTUATED FASTENERS SHANK DIAMETER = 0.157 INCHES HEAD DIAMETER = 0.32 INCHES MINIMUM Fy >=36 K.S.I. BASE MATERIAL MINIMUM Fu >=58 K.S.I. BASE MATERIAL MINIMUM STEEL THICKNESS = 3/16" FASTENERS MUST BE DRIVEN TO WHERE THE POINT OF THE FASTENER PENETRATES THROUGH THE STEEL BASE MATERIAL MINIMUM EDGE DISTANCE = 1/2 INCHES MINIMUM SPACING DISTANCE = 1 INCHES ASD TENSION = 500 LBS IN STEEL ASD SHEAR = 720 LBS IN STEEL MINIMUM METAL STUD THICKNESS = 33 MILS (20GA) ASD TENSION = 249 LBS ASD SHEAR = 220 LBS MINIMUM METAL STUD THICKNESS = 43 MILS (18GA) ASD SHEAR = 286 LBS ASD TENSION = 324 LBS PULL OVER MINIMUM METAL STUD THICKNESS = 54 MILS (16GA) ASD SHEAR = 519 LBS ASD TENSION = 500 LBS PULL OVER	MASONRY FASTENERS KWIK-CON II MASONRY SCREWS CONCRETE BLOCK ASTM C90 NOMINAL ANCHOR DIAMETER = 1/4" MINIMUM EDGE DISTANCE = 1 1/2 INCHES MINIMUM SPACING DISTANCE = 3 INCHES MINIMUM PRISM STRENGTH f'm = 1500 P.S.I. MINIMUM EMBEDMENT DEPTH = 1 3/4 INCH DRIVE FASTENERS FLUSH INTO MASONRY ASD TENSION = 310 LBS IN HOLLOW MASONRY ASD SHEAR = 400 LBS IN HOLLOW MASONRY ASD TENSION = 350 LBS IN RED BRICK ASD SHEAR = 500 LBS IN RED BRICK ASTM C62 COMMON RED BRICK MINIMUM METAL STUD THICKNESS = 33 MILS HEAD DIAMETER = 0.3125 INCHES ASD TENSION = 243 LBS IN 33 MIL STUDS ASD SHEAR = 350 LBS IN 33 MIL STUDS ASD SHEAR = 400 LBS IN 43 MIL STUDS ASD TENSION = 310 LBS IN 43 MIL STUDS	BY-PASS FRAMING CLIP SIMPSON STRONG-TIE SCB45.5 CONNECTOR ATTACH CONNECTOR TO STUDS UTILIZING TWO #12-14 SHOULDER SCREWS. ATTACH CONNECTOR TO THE STEEL FRAMING UTILIZING TWO #12-14 SELF DRILLING SCREWS SIMPSON STRONG-TIE X METAL SCREWS. XQ1S1214, X1S1214 ASD SHEAR = 490 LBS FOR 33 MIL STUD THICKNESS ASD SHEAR = 610 LBS FOR 43 MIL STUD THICKNESS ASD SHEAR = 760 LBS FOR 54 MIL STUD THICKNESS ASD SHEAR = 760 LBS FOR 68 MIL STUD THICKNESS SEE SECTION 3/S1.2	TSN 1 1/2" x 3" x STUD DEPTH (6" MINIMUM) VERTICLIP SLD SERIES OR EQUIVALENT. VERTICLIP THICKNESS = 0.0346" (20GA; 33MIL) TOTAL VERTICAL DEFLECTION OF UP TO 1 1/2" (3/4" UP AND 3/4" DOWN) ASTM A1003/A1003M, GRADE 50 Fy = 50 K.S.I.; Fu = 65 K.S.I. G60 HOT DIPPED GALVANIZED COATING CUT STUD SHORT @ HEAD TO ALLOW FOR VERTICAL DEFLECTION REQUIREMENTS AS PER PROJECT SPECIFICATIONS. ALLOWABLE HORIZONTAL LOAD = 405 LBS/CLIP (BOTH DIRECTIONS) FOR 43 MIL STUDS. ERECT STUDS AFTER ALL DEAD LOAD HAS BEEN APPLIED PROVIDE (3) TYPE-3 OR TYPE-4 FASTENERS FROM VERT CLIP TO CONCRETE OR RED IRON. SEE SECTION 5/S1.2	2" DEFLECTION TRACK WITH 3/4" MINIMUM GAP FOR LIVE LOAD DEFLECTION. INCREASE GAP AS REQUIRED PER PROJECT SPECIFICATIONS. Fy = 50 K.S.I. (U.N.O.) Fu = 65 K.S.I. THICKNESS = SEE SECTIONS (33 MIL; 20 GA MIN.) PROVIDE (2) TYPE-3 OR TYPE-4 FASTENERS @ 16" O.C. INTO CONCRETE OR RED IRON. CUT STUD SHORT @ HEAD TO ALLOW FOR VERTICAL DEFLECTION REQUIREMENTS AS PER PROJECT SPECIFICATIONS. ERECT STUDS AFTER ALL DEAD LOAD HAS BEEN APPLIED ASD POINT LOAD = 75 LBS (33 MIL; 20 GA) ASD POINT LOAD = 187 LBS (43 MIL; 18 GA) ASD POINT LOAD = 239 LBS (54 MIL; 16 GA) ASD POINT LOAD = 318 LBS (68 MIL; 14 GA) ASD POINT LOAD = 519 LBS (97 MIL; 12 GA) SEE SECTION 2/S1.2

MICHAEL
JON MJM
MCCAULEY, P.E.
STRUCTURAL ENGINEERING

114 OLD MILL ROAD
DARTERSVILLE, GA 30120
(678) 373-6691 OFFICE
(404) 592-6179 FAX
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No.	Date	Description

PROJECT NAME AND ADDRESS
NEVA PAVILION

DATE
03/08/23

Sheet Title
METAL STUD
CONNECTIONS
& SECTIONS

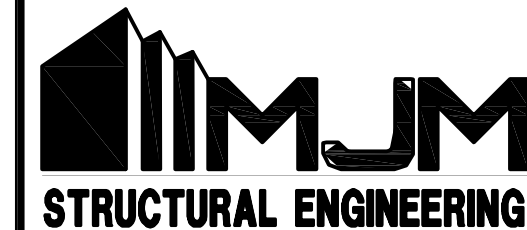
S1.2

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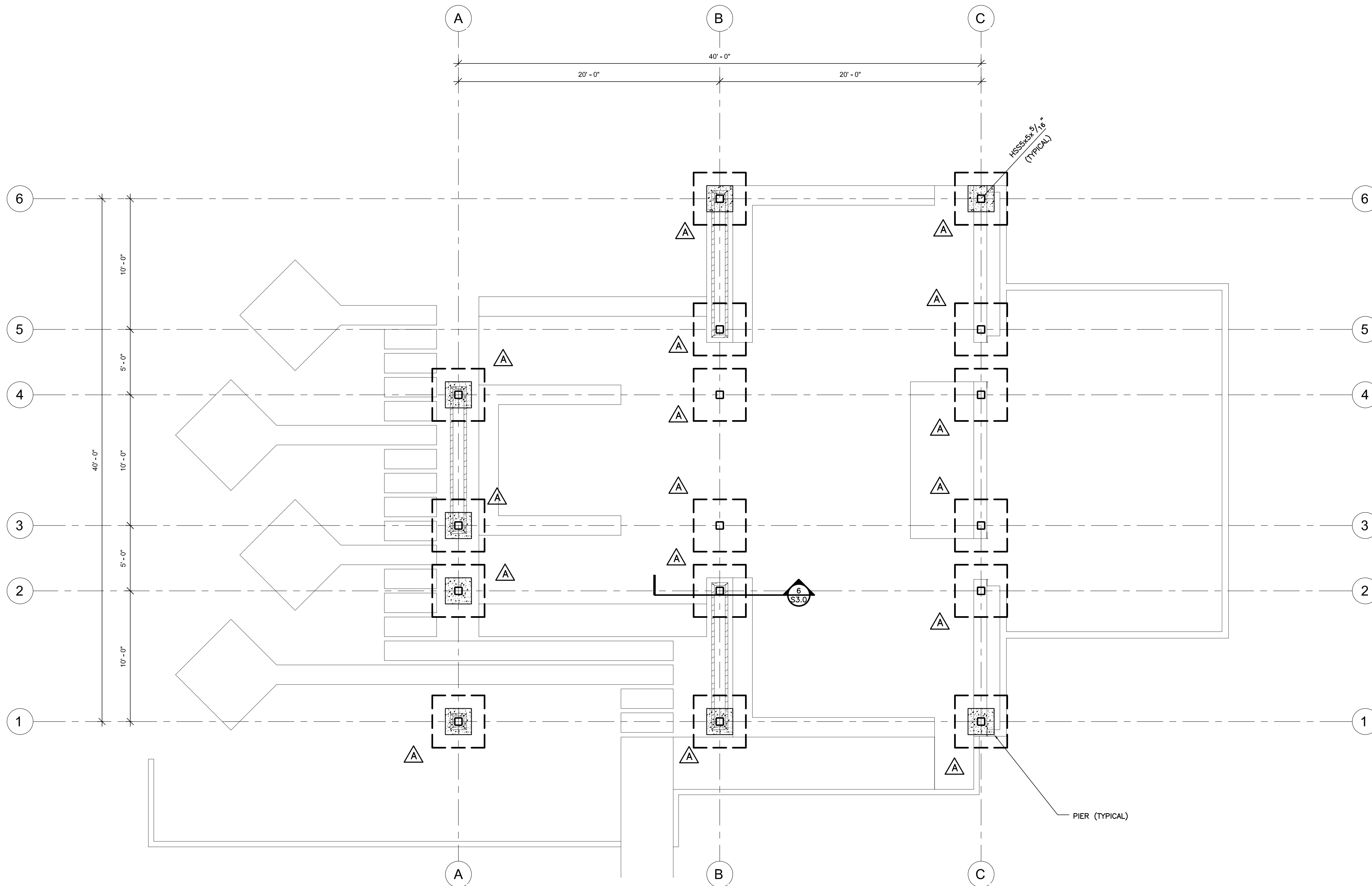
GEORGIA

DATE
03/08/23

Sheet Title
PAVILION
FOUNDATION
PLAN

S2.0

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SLAB ON GRADE SPECIFICATION
4" 4500 PSI CONCRETE SLAB ON GRADE WITH W.W.R. 6x6-W2.9xW2.9 ATOP 4-INCH COMPACTED LAYER OF FREE DRAINING, GRANULAR SUBBASE MATERIAL. (SEE JOINT DETAILS FOR PLACEMENT) PREPARE SUB GRADE PER GEOTECHNICAL RECOMMENDATIONS PLACE A 10 MIL (MINIMUM) POLYETHYLENE MOISTURE BARRIER (WITH JOINTS LAPPED NOT LESS THAN 6 INCHES) DIRECTLY BENEATH ALL INTERIOR CONCRETE SLABS ON GRADE. FINISH FLOOR ELEVATION = (1109.75 FT) REFERENCE F.F.E. = (0'-0")

1 PAVILION FOUNDATION PLAN

S2.0 SCALE: 1/4" = 1'-0"

FOUNDATION PLAN LEGEND:

PIER - INDICATES A 24" x 24" CONCRETE PIER WITH (6) #6 VERTICAL BARS AND #4 TIES @ 10" O.C. PROVIDE MATCHING DOWELS INTO FOOTING PER HOOKED BAR SCHEDULE 3/S3.0. EXTEND TIES AND CROSS TIES DOWN INTO FOOTING. PROVIDE #3 CROSS TIES WITH A 90° AND 135° HOOKED ENDS AROUND ALL VERTICAL STEEL. PROVIDE 2" CLEARANCE TO FACE OF #4 REBAR TIES. T/PIER = (-1'-0") BELOW FINISH FLOOR ELEVATION. (SEE SECTION 2/S3.0). PLACE PIER AT ANY LOCATION WHERE THE TOP OF FOOTING NEEDS TO BE LOWER THAN (-1'-0") BELOW FINISH FLOOR ELEVATION.

⬤(X'-Y") - INDICATES TOP OF FOOTING BELOW REFERENCE FINISH FLOOR ELEVATION OR OUTSIDE GRADE.

⬤[X'-Y"] - INDICATES TOP OF PIER BELOW REFERENCE FINISH FLOOR ELEVATION

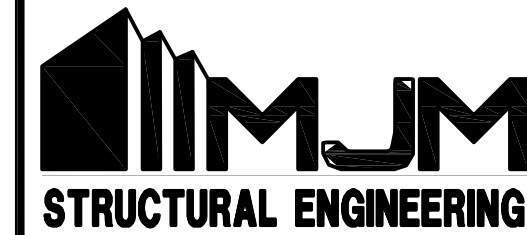
△ - INDICATES A 4'-0" x 4'-0" x 1'-3" SPREAD FOOTING WITH (6) #4 BARS x 3'-6" EACH WAY BOTTOM. PROVIDE 3" CLEARANCE AT BOTTOM AND SIDES OF FOOTING. PROVIDE 90 DEGREE HOOKS AT THE END OF THE #4 REBAR AT BOTH ENDS. TOP OF FOOTING = (-1'-0") BELOW REFERENCE FINISH FLOOR ELEVATION OR (-1'-0") BELOW OUTSIDE GRADE.

FOUNDATION PLAN NOTES:

- EDGE OF SLAB-ON-GRADE NOT SHOWN. SEE ARCHITECT.
- CONTROL JOINTS AND CONSTRUCTION JOINTS ARE NOT SHOWN. SEE GENERAL CONCRETE NOTES AND SEE SECTION 1/S3.0
- SEE SECTION 2/S3.1 FOR FLOOR STEP DETAILS. SEE THE ARCHITECT FOR LOCATIONS IF REQUIRED.
- SEE SECTION 3/S3.1 FOR RETAINING WALL WHERE REQUIRED. SEE THE ARCHITECT FOR LOCATION(S).
- SEE SECTION 7/S3.0 FOR FOUNDATION WALL WHERE REQUIRED. SEE ARCHITECT FOR LOCATIONS.
- SEE SECTION 1/S3.1 FOR TURNDOWN SLAB WHERE REQUIRED. SEE ARCHITECT FOR LOCATIONS.
- SEE ARCHITECT FOR RAMP. SEE SECTIONS 4/S3.0 AND 4/S3.1 FOR TYPICAL GENERIC SECTIONS.
- CONTRACTOR TO SEE THE CIVIL GRADING PLAN FOR TOP OF GRADE ELEVATIONS.

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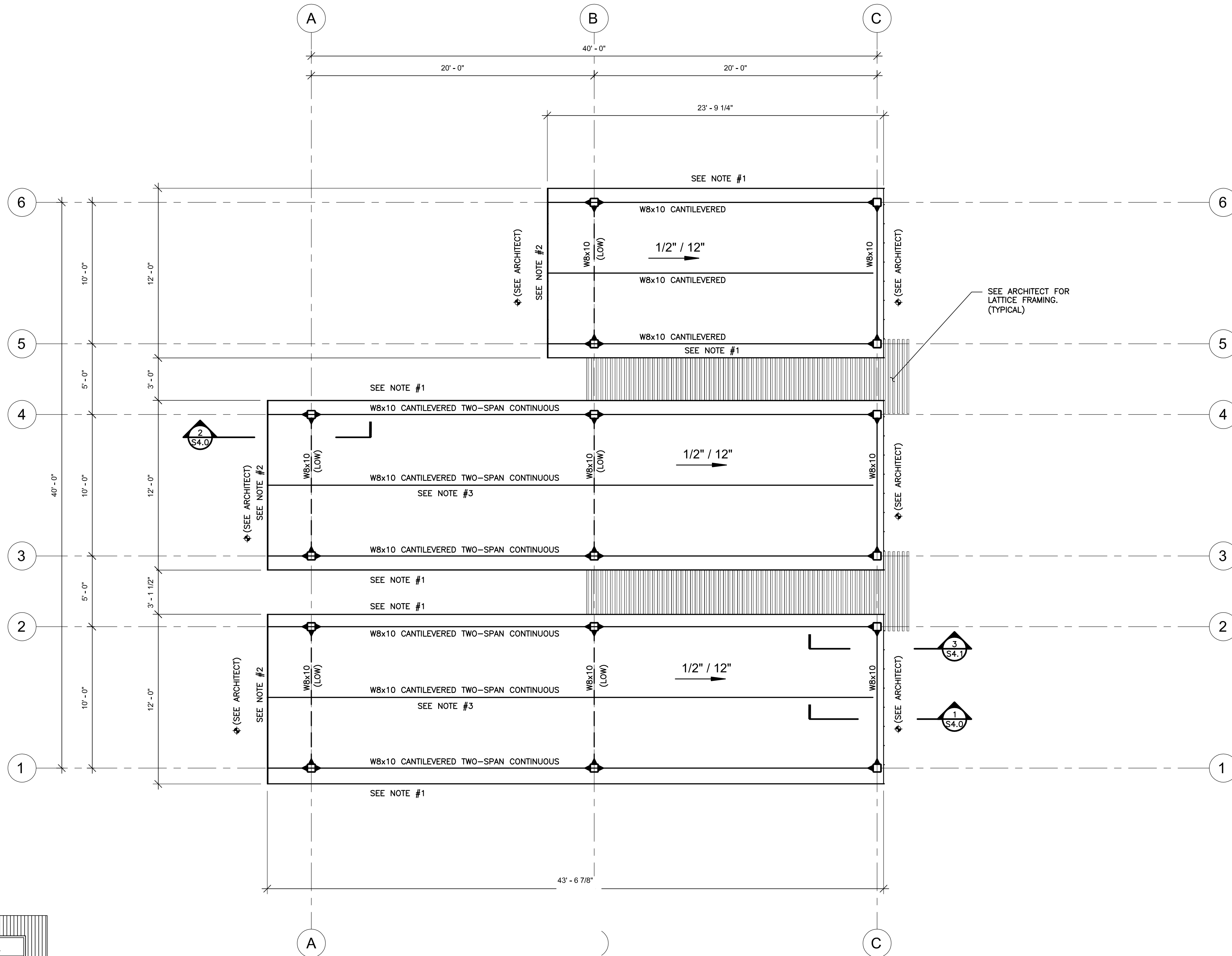
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DATE
03/08/23

Sheet Title
PAVILION
FRAMING
PLAN

S2.1

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ROOF DECK INFORMATION U.N.O.
1 1/2" DEEP, 22GA (VULCRAFT 1.5B) WIDE RIB STEEL DECKING. ATTACH TO SUPPORTS UTILIZING 5/8"Ø PUDDLE WELDS. USE DECK WELD PATTERN 36/4 AT SIDE LAPS USE #10 TEK SCREWS USE 6 SIDE LAPS PER DECK SPAN
THE DECK SHALL BE AS MANUFACTURED BY VULCRAFT/NUCOR OR APPROVED
WELDS AT THE PERIMETER SHALL NOT EXCEED 6" O.C. SEE DETAIL 2/S1.1

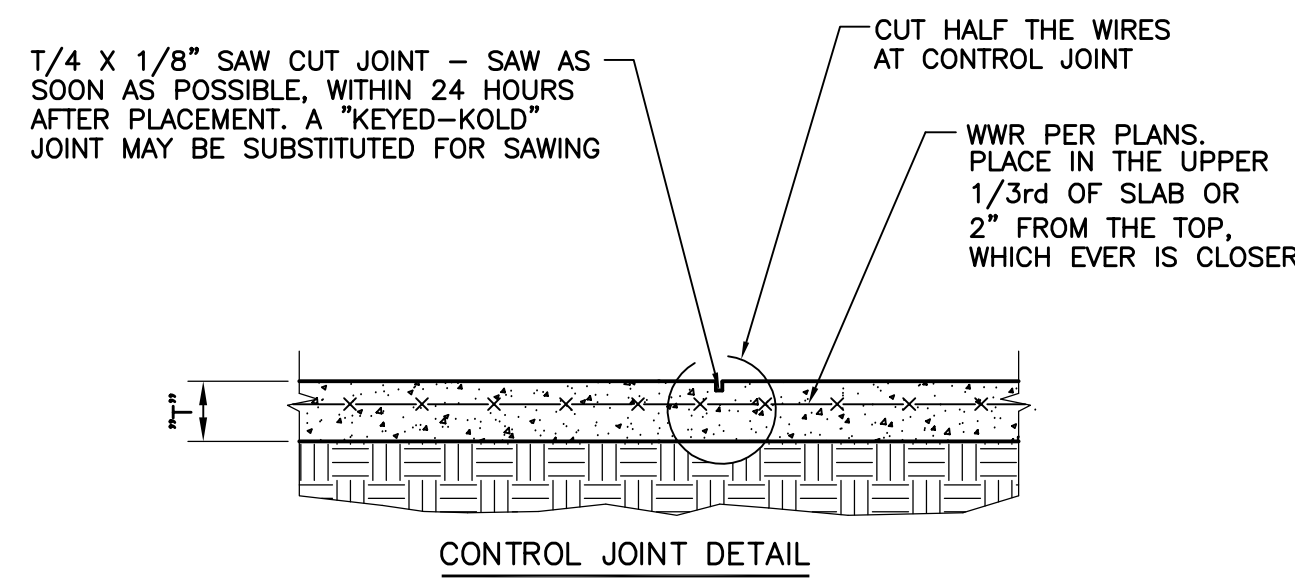
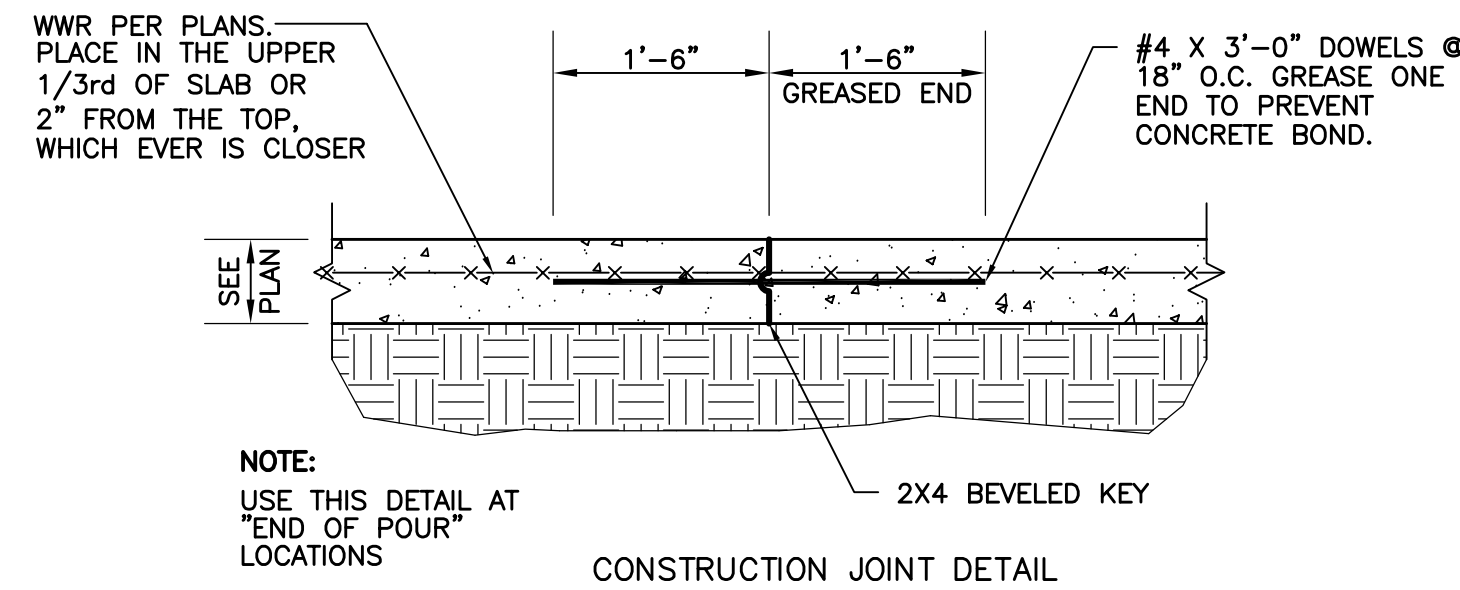
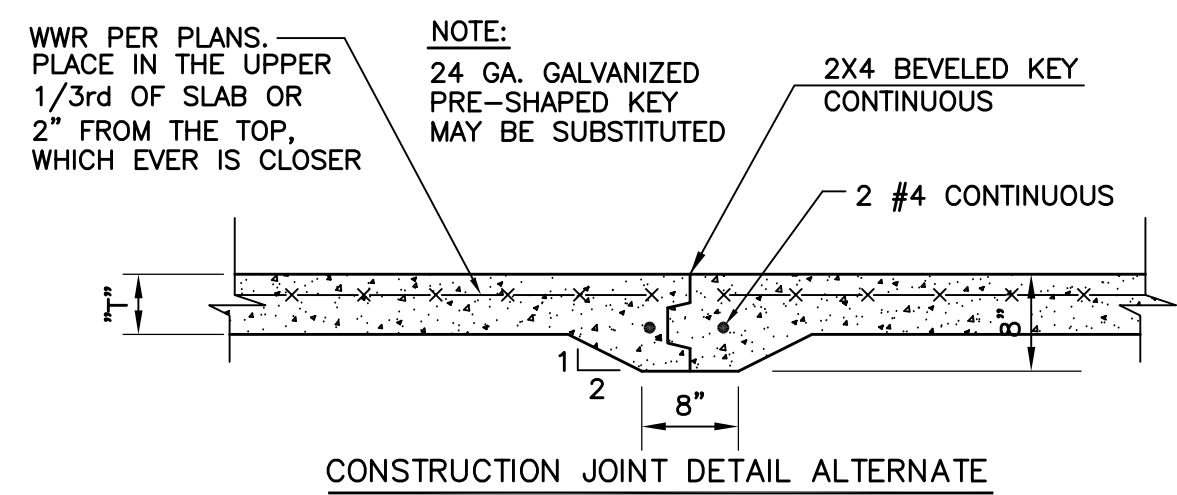
ROOF FRAMING PLAN LEGEND:

- - INDICATES PREQUALIFIED FULL PENETRATION GROOVE MOMENT WELDS BETWEEN TOP AND BOTTOM BEAM FLANGES AND FACE OF HSS COLUMN.
(SEE SECTION 3/S4.1)
- ◄◄ - INDICATES CANTILEVERED BEAM WELDED MOMENT CONNECTION PER SECTION 2/S4.0
- ◆(X'-Y") - INDICATES DECK BEARING ELEVATION (D.B.E.) ABOVE REFERENCE FINISH FLOOR ELEVATION
THE D.B.E. SHALL NOT EXCEED (17'-0") ABOVE THE REFERENCE FINISH FLOOR ELEVATION.

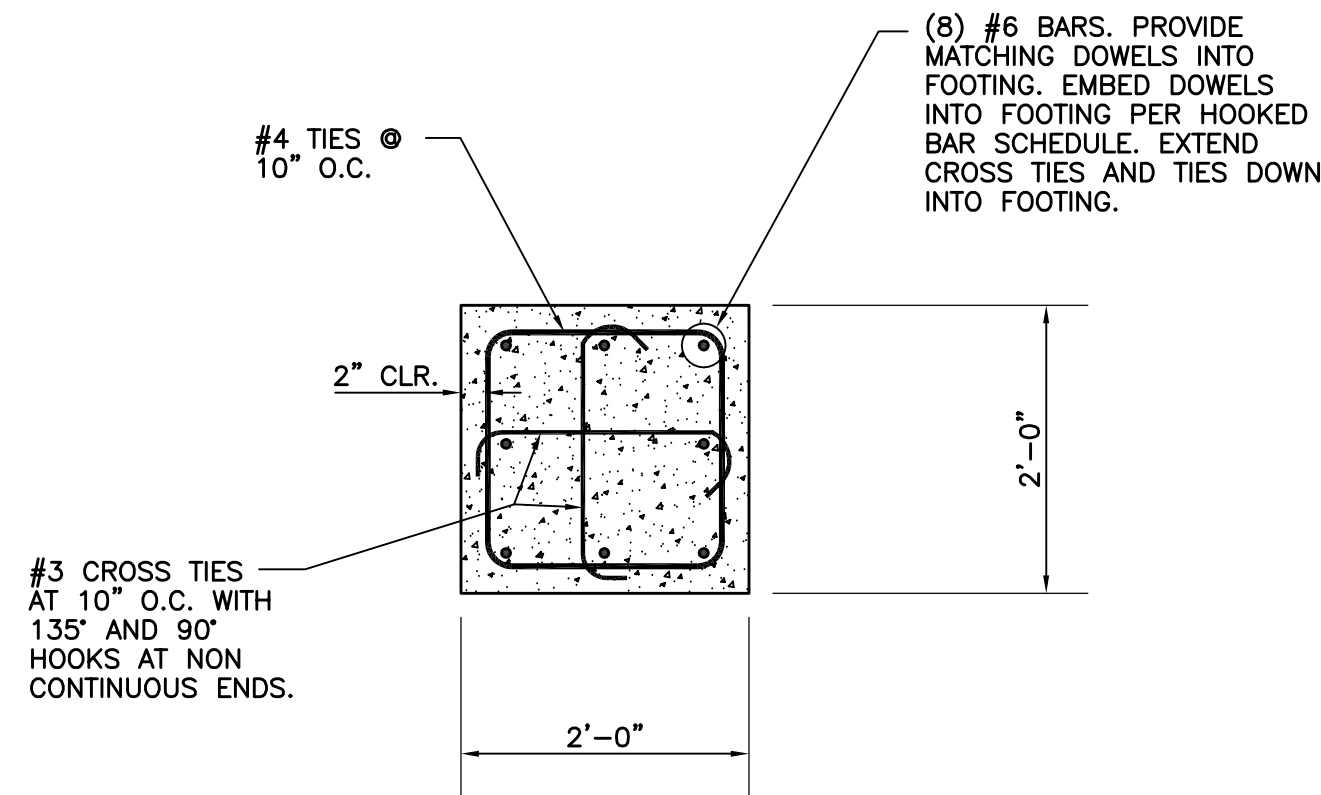
1 PAVILION ROOF FRAMING PLAN
S2.1 SCALE: 1/4" = 1'-0"

ROOF FRAMING PLAN NOTES:

1. PROVIDE A CONTINUOUS 3"x12"x1/4" (L.L.H.) BENT DECK CLOSURE PLATE WELDED TO THE ROOF BEAM.
2. PROVIDE A TWO-SPAN CONTINUOUS 4"x4"x1/4" DECK CLOSURE ANGLE WELED TO THE CANTILEVERED ROOF BEAMS.
3. BOLT BOTTOM FLANGE OF BEAM TO TOP FLANGE OF LOW BEAM WITH (4) 3/4"Ø DIAMETER BOLTS.



1 TYPICAL SLAB ON GRADE JOINT DETAILS
S3.0 SCALE: NOT TO SCALE

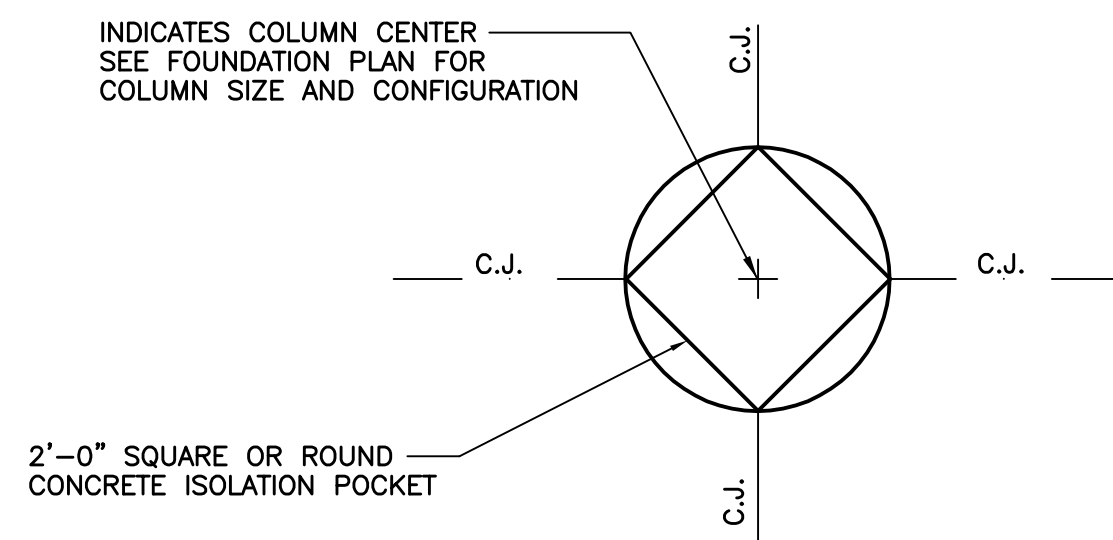


2 TYPICAL PIER# SECTION
S3.0 SCALE: NOT TO SCALE

LAP SPLICE SCHEDULE	
BAR SIZE	LAP SPLICE DIMENSION (IN)
#4	2'-5"
#5	3'-0"
#6	3'-7"
#7	4'-2"
#8	4'-9"

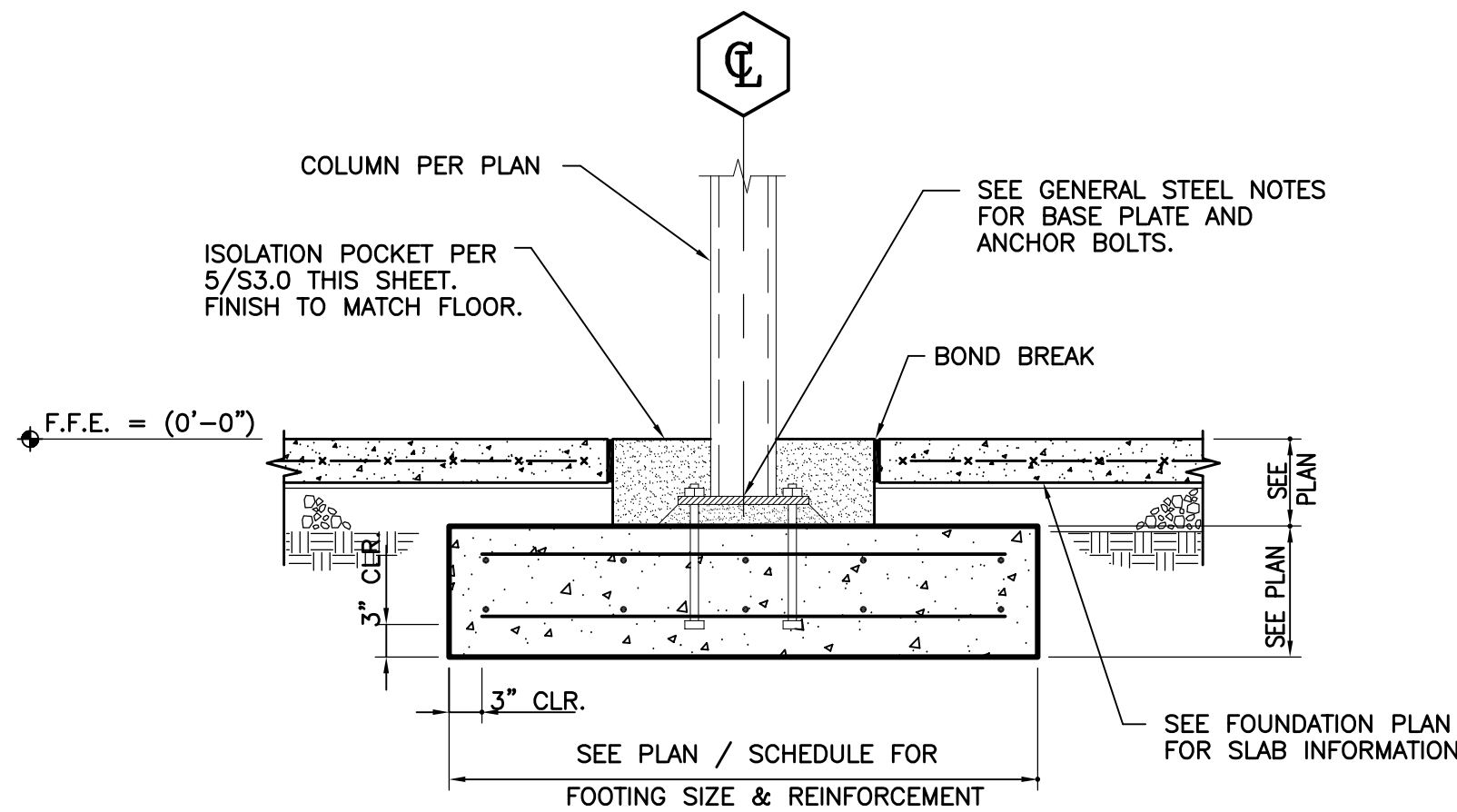
HOOKED BAR SCHEDULE				
BAR SIZE	X	ldh	Y	
#4	0'-8"	0'-8"	2'-5"	
#5	0'-10"	0'-9"	3'-0"	
#6	1'-0"	0'-11 1/2"	3'-7"	
#7	1'-2"	1'-1 1/2"	4'-2"	
#8	1'-4"	1'-3 1/2"	4'-9"	

3 TYPICAL HOOKED BAR DIMENSION SCHEDULE
S3.0 SCALE: NOT TO SCALE

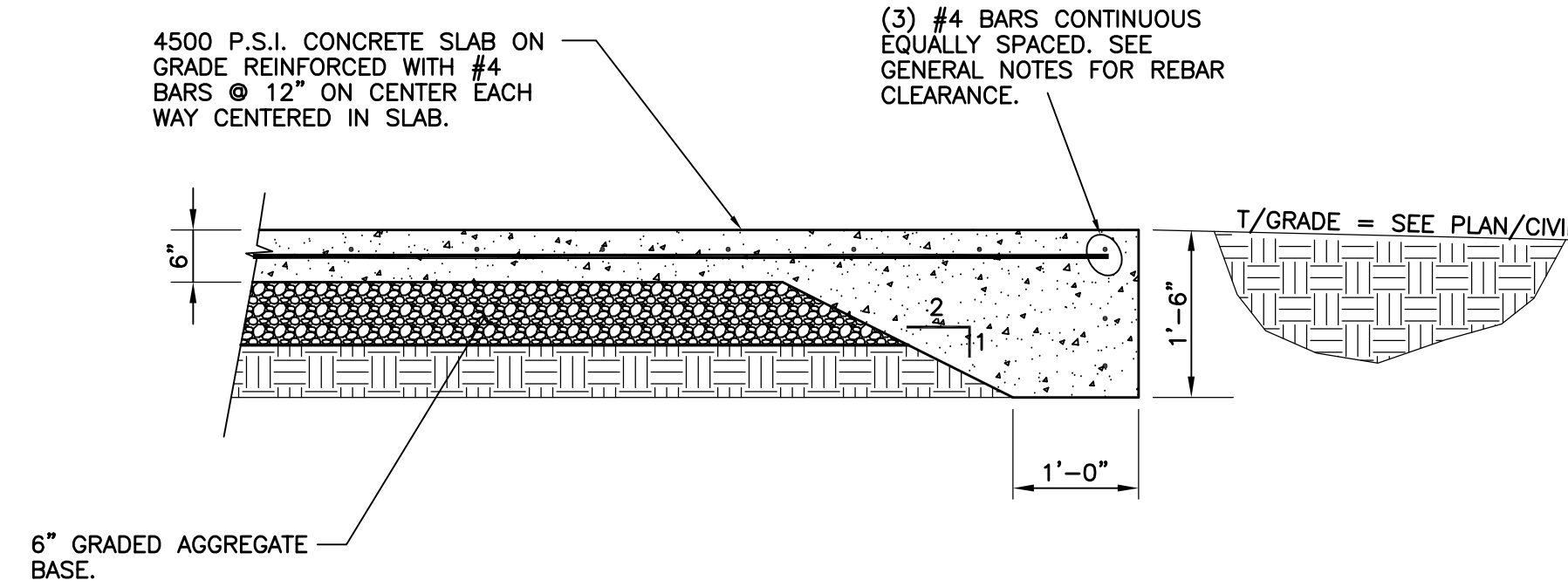


- NOTES:**
- IT IS IMPERATIVE THAT THE ORIENTATION OF ISOLATION POCKET BE AS SHOWN (WITH CORNERS AT CONTROL JOINTS) TO PREVENT EXCESSIVE CRACKING IN SLAB.
 - USE ROUND ISOLATION POCKETS WHEN JOINTS WILL NOT INTERSECT CORNERS.

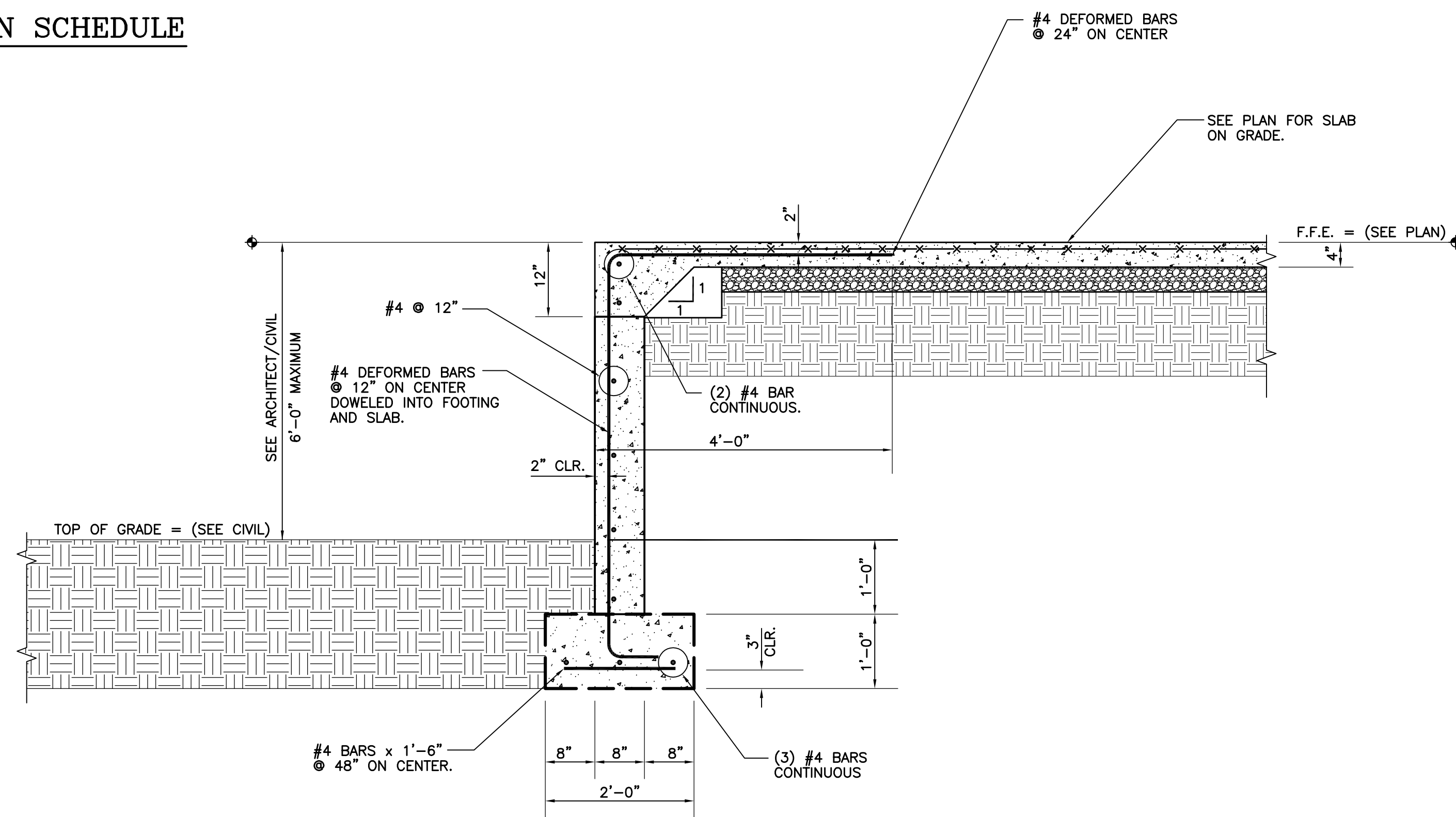
5 TYPICAL ISOLATION POCKET
S3.0 SCALE: NOT TO SCALE



6 TYPICAL FOOTING SECTION
S3.0 SCALE: NOT TO SCALE



4 SECTION AT RAMP
S3.0 SCALE: N.T.S.



7 FOUNDATION WALL SECTION
S3.0 SCALE: N.T.S.

MICHAEL
JON MJM
MCCAULEY, P.E.
STRUCTURAL ENGINEERING

114 OLD MILL ROAD
DARTERSVILLE, GA 30120
(678) 373-6691 OFFICE
(404) 592-6179 FAX
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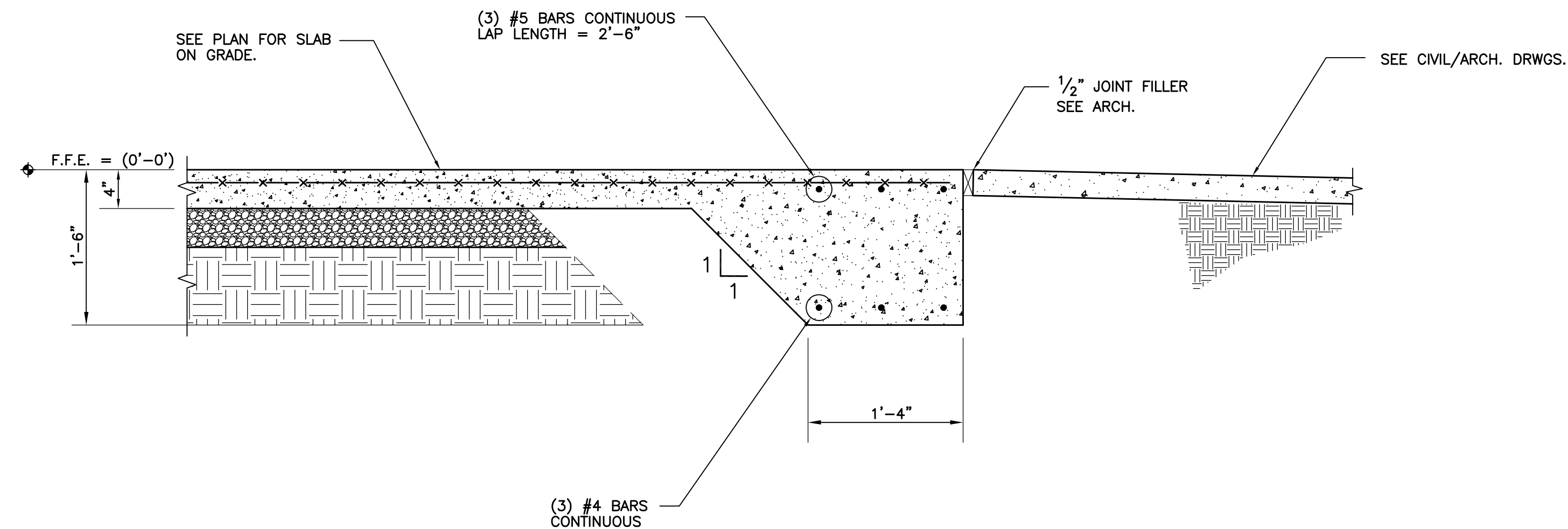
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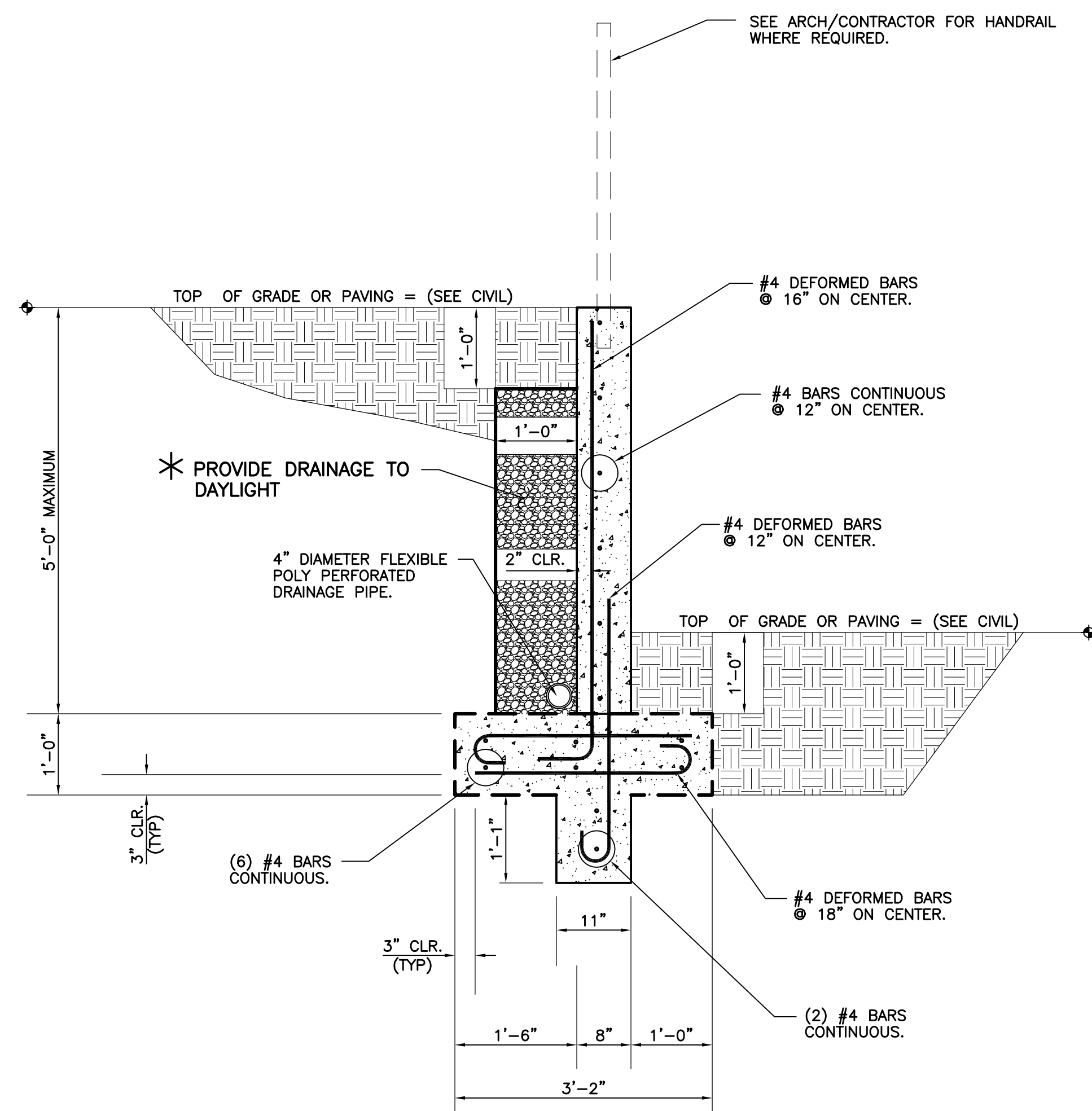
Sheet Title
PAVILION
FOUNDATION
SECTIONS

S3.0

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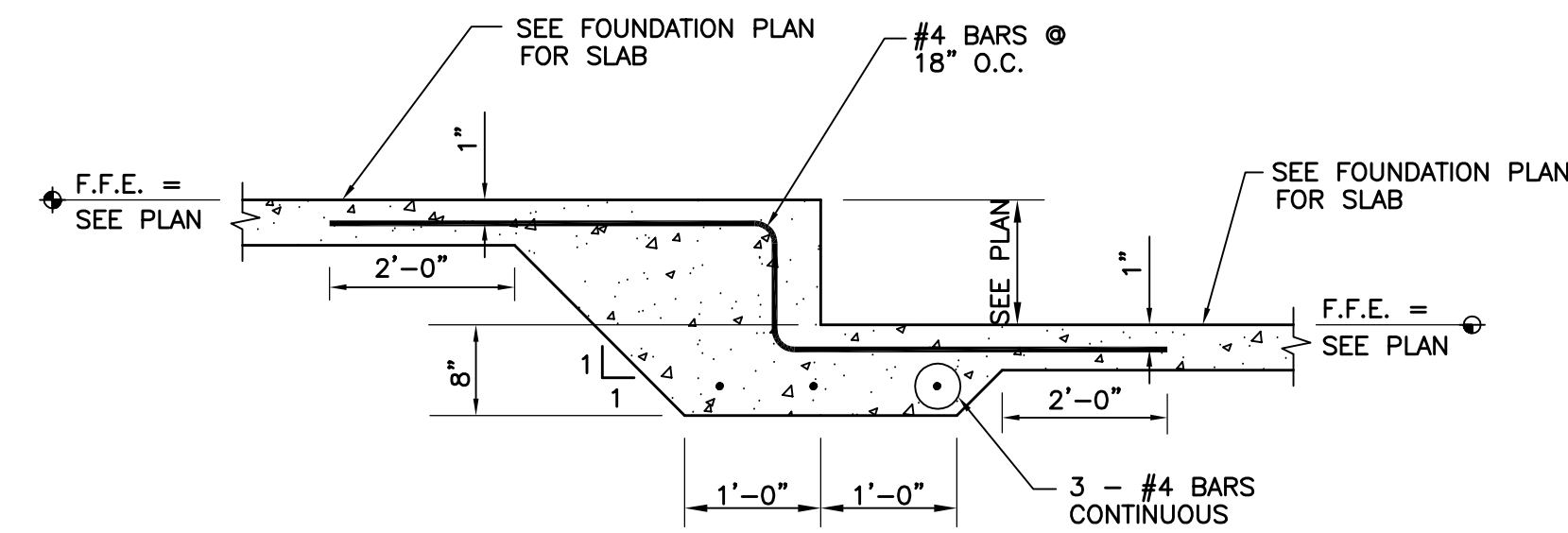


1
S3.1 TYPICAL PERIMETER TURNDOWN SLAB FOUNDATION SECTION
SCALE: N.T.S.

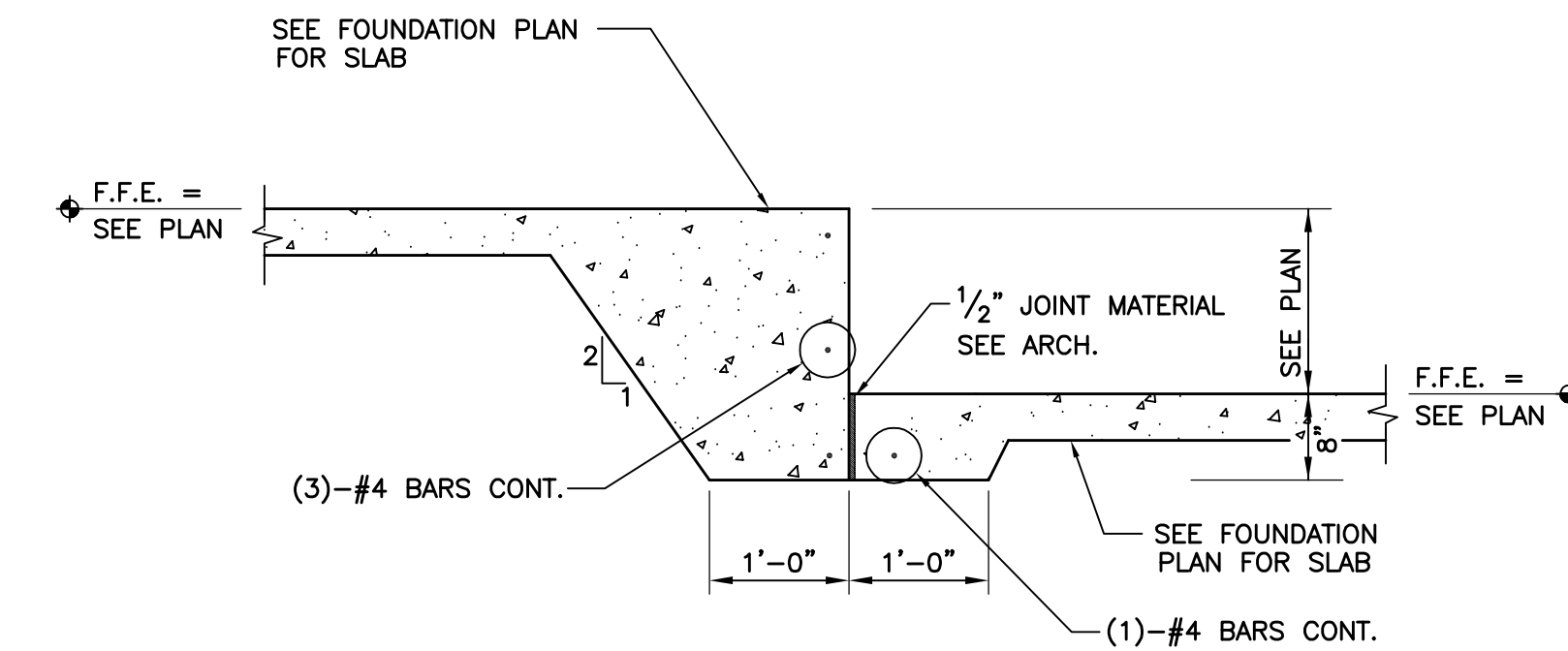


* - THIS DRAINAGE SYSTEM CAN BE CONSTRUCTED OF OPEN GRADED WASHED STONE ISOLATED FROM THE SOIL BACKFILL WITH A GEOSYNTHETIC FILTER FABRIC AND DRAINED BY PERFORATED PIPE PER GEOTECH APPROVAL.
NOTE: CONTRACTOR CAN SUBMIT ALTERNATE DRAINAGE SYSTEM FOR APPROVAL

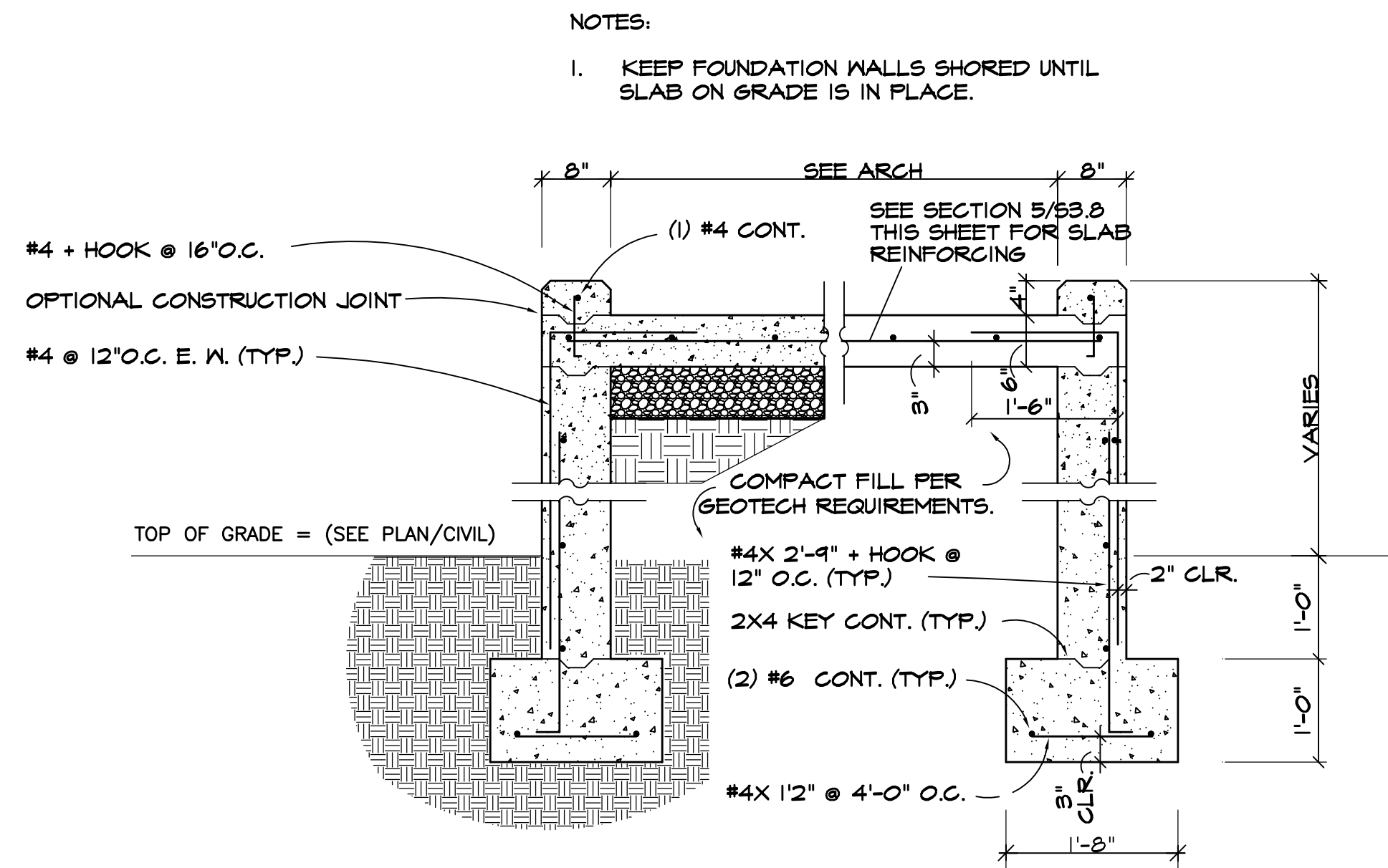
3
S3.1 RETAINING WALL SECTION
SCALE: $\frac{3}{4}$ " = 1'-0"



ALTERNATE SECTION AT FLOOR STEP



2
S3.1 SECTION AT FLOOR STEP
SCALE: N.T.S.



4
S3.1 SECTION AT RAMP
SCALE: N.T.S.

MICHAEL
JON MJM
MCCAULEY, P.E.
STRUCTURAL ENGINEERING
114 OLD MILL ROAD
DARTERSVILLE, GA 30120
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MJM
STRUCTURAL ENGINEERING



No.	Date	Description

PROJECT NAME AND ADDRESS
NEVA PAVILION

DATE
03/08/23

Sheet Title
PAVILION
FOUNDATION
SECTIONS

S3.1

RELEASED FOR CONSTRUCTION

SEE PLAN FOR METAL DECK
AND ATTACHMENT PATTERN.

3"x3"x $\frac{1}{4}$ " DECK CLOSURE ANGLE
WELDED TO THE BEA.

D.B.E. = (SEE PLAN)

SEE PLAN FOR BEAM BEYOND

SEE PLAN FOR BEAM

TYPE-8, 54 MIL FASTENER

8" (800S162-43) METAL STUDS
@ 16" ON CENTER.

WEAK AXIS BRACING PER SECTION
1/ST.2 TYPICAL.

SEE PLAN FOR SLAB-ON-GRADE
SPECIFICATIONS.

CONTINUOUS 8" (800T125-43) BOTTOM TRACK
WITH TYPE-1 FASTENERS TO STUD AND (2)
TYPE-3 FASTENERS @ 16" ON CENTER TO
SLAB-ON-GRADE.

1

SECTION THROUGH SOLID WALL

S4.0

SCALE: NOT TO SCALE

SEE PLAN FOR ANGLE

D.B.E. = (SEE PLAN)

SEE PLAN

SEE PLAN FOR METAL DECK
AND ATTACHMENT PATTERN.

$\frac{1}{4}$ " BEAM WEB STIFFENERS
WELDED TO BEAM WEB AND
FLANGES. (EACH SIDE)

SEE PLAN FOR CANTILEVERED BEAM

SEE PLAN FOR BEAM

SEE PLAN FOR COLUMN

5"x12"x $\frac{3}{4}$ " COLUMN CAP PLATE WITH $\frac{3}{8}$ "
STIFFENERS EACH SIDE WELDED TO CAP
PLATE AND COLUMN. WELD BEAM TO CAP PL.
WITH AN ALL AROUND $\frac{3}{16}$ " FIELD FILLET
WELD. WELD CAP PLATE TO COLUMN WITH
AN ALL AROUND PARTIAL PENETRATION
GROOVE WELD.

2

CANTILEVERED BEAM MOMENT CONNECTION

S4.0

SCALE: NOT TO SCALE

MICHAEL
JON MJM
MCCAULEY, P.E.
STRUCTURAL ENGINEERING

114 OLD MILL ROAD
DARTERSVILLE, GA 30120
(678) 373-6691 OFFICE
(404) 592-6179 FAX
COA#: PE0007101

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Revisions

No.	Date	Description

PROJECT NAME AND ADDRESS
NEVA PAVILION

GEORGIA

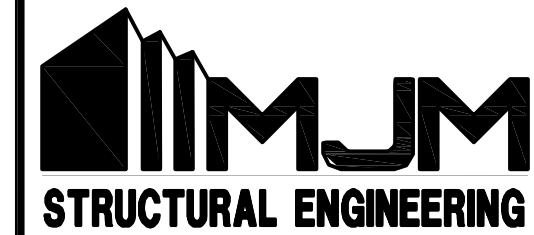
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Sheet Title
PAVILION
FRAMING
SECTIONS

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Revisions		
No.	Date	Description

PROJECT NAME AND ADDRESS
NEVA PAVILION

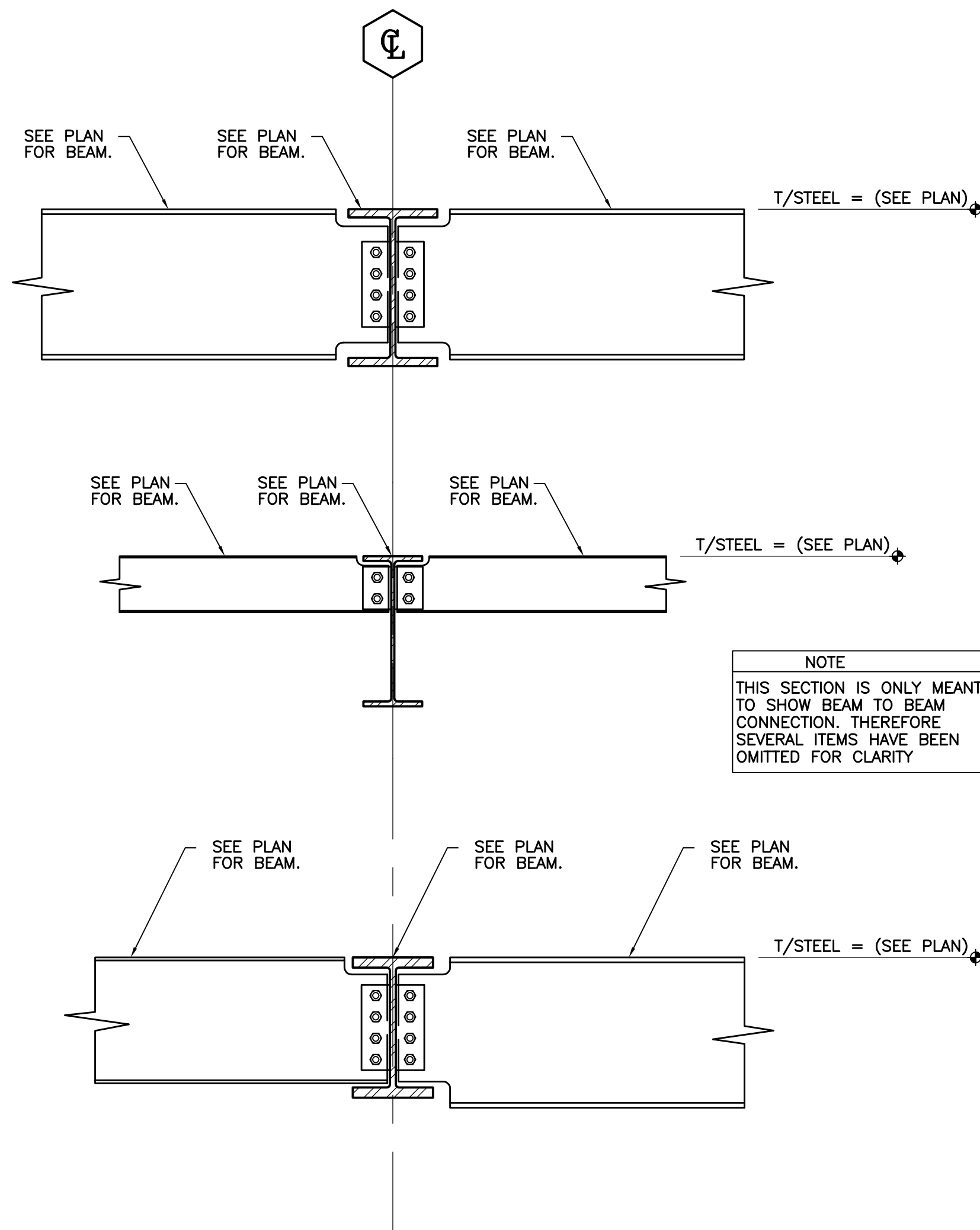
GEORGIA

DATE
03/08/23

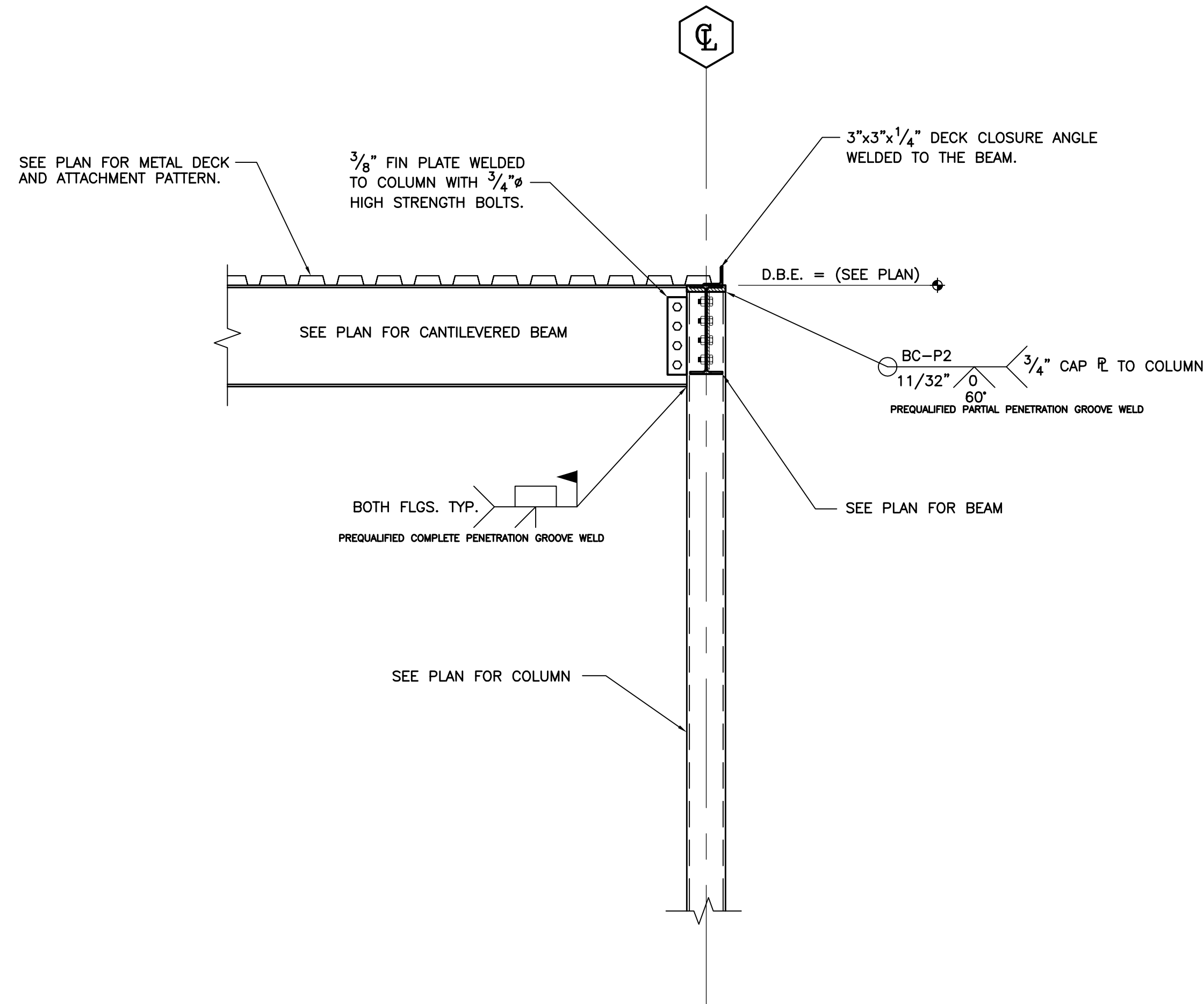
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PAVILION
FRAMING
SECTIONS

S4.1

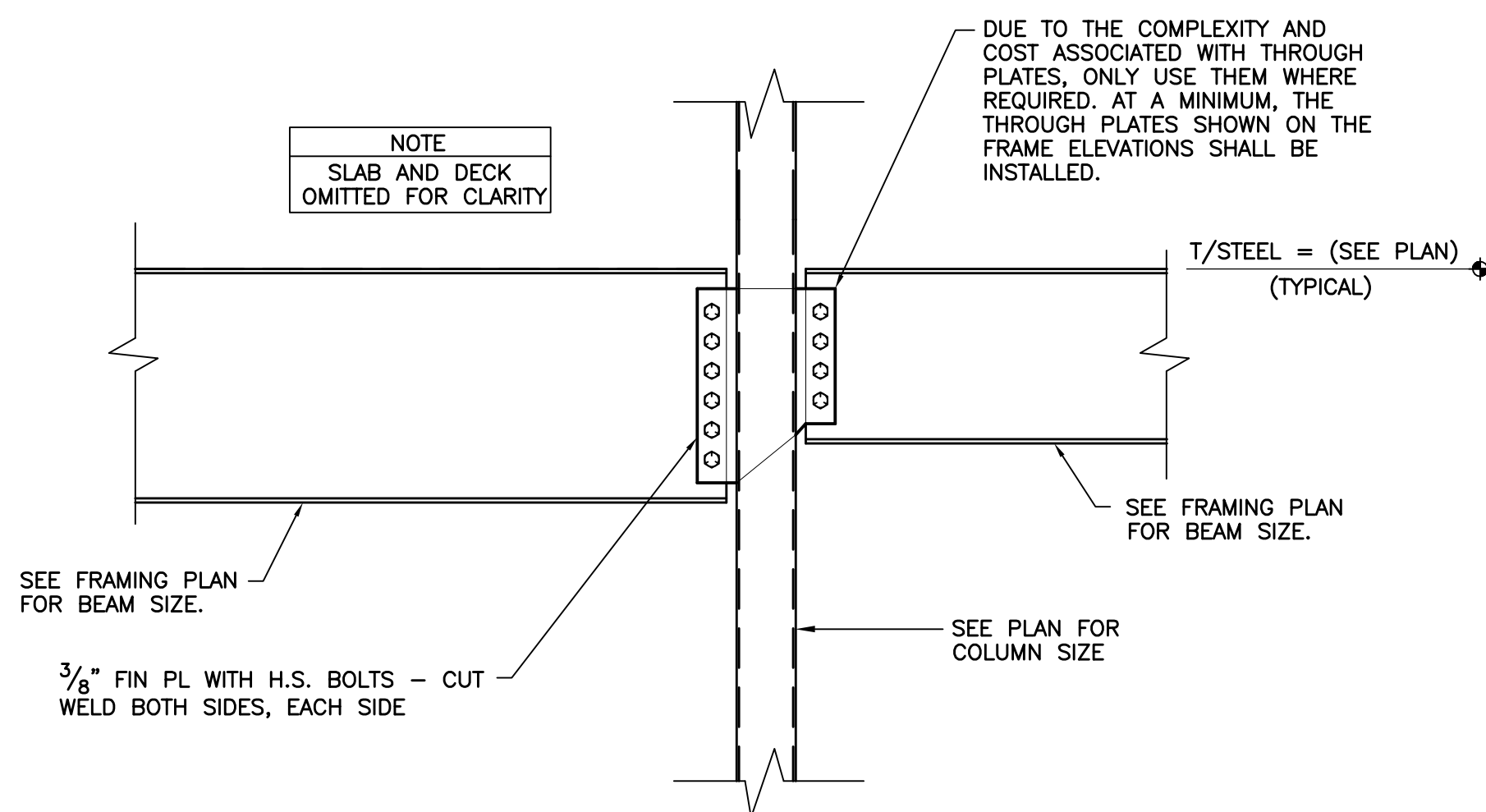
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1
S4.1 TYPICAL BEAM CONNECTION DETAILS
SCALE: N.T.S.



3
S4.1 TYPICAL MOMENT CONNECTION
SCALE: NOT TO SCALE



2
S4.1 TYP SHEAR CONNECTION AT HSS COLUMNS
SCALE: 3/4" = 1'-0"

GENERAL ELECTRICAL NOTES:

- FOR EXACT LOCATION OF EQUIPMENT MOUNTED IN SUSPENDED CEILINGS, SUCH AS LIGHTING FIXTURES, AND SMOKE DETECTORS, SEE ARCHITECTURAL REFLECTED CEILING PLANS. ARCHITECTURAL REFLECTED PLAN SHALL GOVERN FINAL LOCATION.
- PRIOR TO ROUGH-IN, CONTRACTOR SHALL COORDINATE EXACT LOCATION OF ALL WIRING DEVICE WITH ARCHITECTURAL ELEVATION TO AVOID CONFLICTS WITH CASEWORK, COUNTER TOPS, DOOR SWINGS, ETC. WHERE CONFLICTS OCCURS, CONTRACTOR SHALL CONTACT THE ARCHITECT IN WRITING FOR RESOLUTION.
- ALL MOUNTING HEIGHT DIMENSIONS ARE TO THE CENTER OF THE OUTLET BOX UNLESS OTHERWISE NOTED.
- FOR EXACT LOCATION OF ALL EXTERIOR LIGHTING FIXTURES MOUNTED ON EXTERIOR OF BUILDING, ARCHITECTURAL ELEVATIONS SHALL GOVERN
- PRIOR TO ROUGH-IN FOR ALL LIGHTING SWITCHES, VERIFY ALL DOOR SWINGS WITH ARCHITECTURAL PLANS.
- THE CONTRACTOR SHALL USE CARE WHEN CUTTING OPENINGS FOR OUTLET BOXES IN CMU WALLS. OUTLET BOXES SHALL BE INSTALLED IN CMU WALLS SECURELY WITH EPOXY.
- THE CONTRACTOR IS RESPONSIBLE FOR COORDINATING OUTLET BOX INSTALLATION WITH WALL FINISH (GYPSUM FURRING, TILE, ETC). THE CONTRACTOR SHALL PROVIDE AND INSTALL ANY EXTENSION RINGS NECESSARY TO ACCOMMODATE WALL FINISHES.
- ALIGN VERTICALLY AND HORIZONTALLY ALL LIGHT SWITCHES, THERMOSTATS, FIRE ALARM PULL STATIONS, ETC. ALL THESE ITEMS SHALL BE CLUSTERED WHERE POSSIBLE. COORDINATE EXACT REQUIREMENTS WITH ARCHITECT.
- COORDINATE MOUNTING OF ALL EXTERIOR DISCONNECT WITH ARCHITECTURAL ELEVATIONS. IF NOT INDICATED ON ARCHITECTURAL ELEVATIONS, REQUEST ELEVATIONS OF DISCONNECT SWITCHES FROM ARCHITECT IN WRITING PRIOR TO ROUGH-IN.
- ALL CONDUITS FOR LOW VOLTAGE OUTLETS SHALL BE DEDICATED TO A SINGLE BOX. NO DAISY CHAINING OR SHARING OF CONDUITS BETWEEN LOW VOLTAGE OUTLET BOXES IS PERMITTED UNLESS SPECIFICALLY INDICATED ON THE DRAWINGS.
- PROVIDE FIELD IDENTIFICATION FOR PANELBOARDS AND SWITCHBOARDS (IF APPLICABLE) PER NEC 408.4. ADDITIONALLY, EACH RECEPTACLE AND DISCONNECT SHALL HAVE A PRINTED LABEL WITH SPECIFIC PANEL AND CIRCUIT NUMBER.
- PER NEC 406.12 PROVIDE TAMPER PROOF RECEPTACLES IN THE FOLLOWING AREAS: DWELLING UNITS, COMMON AREAS OF MULTIFAMILY DWELLINGS, GUEST ROOMS AND COMMON AREAS OF MOTELS/HOTELS, CHILDCARE FACILITIES, PRESCHOOLS AND EDUCATIONAL FACILITIES, DORMITORY UNITS, ASSISTED LIVING FACILITIES AND ASSEMBLY OCCUPANCIES PER SECTION 518.2. TAMPER PROOF RECEPTACLES ARE ALSO REQUIRED IN BUSINESS OFFICES, CORRIDORS AND WAITING ROOMS WITHIN CLINICS/MEDICAL OFFICES/DENTAL OFFICES/OUTPATIENT FACILITIES.

ABBREVIATIONS

A	– AMPERES	MCB	– MAIN CIRCUIT BREAKER
A.F.F.	– ABOVE FINISHED FLOOR	MLO	– MAIN LUG ONLY
A.F.G.	– ABOVE FINISHED GRADE	NTS	– NOT TO SCALE
BFG	– BELOW FINISHED GRADE	P	– POLE
C	– CONDUIT	PNL	– PANEL
ETR	– EXISTING TO REMAIN	SN	– SOLID NEUTRAL
F	– FUSE	U.O.N.	– UNLESS OTHERWISE NOTED
GFI	– GROUND FAULT CIRCUIT INTERRUPTING	V	– VOLTS
G	– GROUND	W	– WIRE
KVA	– KILO VOLT AMP	WP	– WEATHERPROOF/GFI
KW	– KILOWATT		

UTILITY NOTES:

- PRIOR TO ANY EXCAVATION, CONTRACTOR SHALL HAVE ALL EXISTING UNDERGROUND UTILITIES LOCATED.

DEVICE PLATE NOTE:

ALL COVERPLATES SHALL BE NYLON WITH FINISH PER ARCHITECT.
ALL DEVICES (SWITCHES, RECEPTACLES, ETC) SHALL BE FINISH BY ARCHITECT (UON). COORDINATE WITH ARCHITECTURAL PLANS.

LIGHTING CONTROL COMMISSIONING:

COMMISSION ALL AUTOMATIC LIGHTING CONTROLS IN ACCORDANCE WITH THE 2015 IECC ENERGY CODE. COORDINATE TESTING WITH LIGHTING CONTROLS SUPPLIER.

ELECTRICAL LEGEND

LIGHTING

	LIGHTING FIXTURE
	EMERGENCY LIGHTING FIXTURE AND/OR NIGHTLIGHT AS INDICATED
	DOWNLIGHT.
	EXIT LIGHTING FIXTURE, FACE PLATES (DARKENED) AND DIRECTIONAL ARROWS AS INDICATED. PROVIDE WITH BATTERY BACKUP, UNO. CONNECT AHEAD OF LOCAL SWITCH.
S	SINGLE POLE SWITCH, 20A, 120/277 VOLT, 46" A.F.F..
S ₃	THREE-WAY SWITCH, 20A, 120/277 VOLT, 46" A.F.F..
S ₄	FOUR-WAY SWITCH, 20A, 120/277 VOLT, 46" A.F.F..
S _D	DIMMER SWITCH, 46" A.F.F. PROVIDE WATTAGE AS REQUIRED. PROVIDE DIMMER SWITCH COMPATIBLE WITH LED LIGHT FIXTURE. PROVIDE WIRING AS REQUIRED FROM DIMMER TO LIGHT FIXTURE. COORDINATE WITH FIXTURE MANUFACTURER.
S _{P3}	THREE-WAY SWITCH WITH PILOT LIGHT, 20A, 120/277 VOLT, 46" A.F.F..
	CEILING MOUNTED OCCUPANCY SENSOR. BY WATT STOPPER OR APPROVED EQUAL. PROVIDED WITH NUMBER OF SWITCH PACKS AS REQUIRED AND ALL OTHER REQUIRED ACCESSORIES FOR PROPER INSTALLATION.
Sos	WALL MOUNTED SWITCH, 20A, 120/277V, 46" AFF WITH INTEGRAL OCCUPANCY SENSOR. BY WATT STOPPER OR APPROVED EQUAL. PROVIDED WITH NUMBER OF SWITCH PACKS AS REQUIRED AND ALL OTHER REQUIRED ACCESSORIES FOR PROPER INSTALLATION.
SSos	(2) WALL MOUNTED SWITCHES, 20A, 120/277V, 46" AFF WITH INTEGRAL OCCUPANCY SENSOR. BY WATT STOPPER OR APPROVED EQUAL. PROVIDED WITH NUMBER OF SWITCH PACKS AS REQUIRED AND ALL OTHER REQUIRED ACCESSORIES FOR PROPER INSTALLATION.
S _{Dos}	WALL MOUNTED DIMMER SWITCH, 20A, 120/277V, 46" AFF WITH INTEGRAL OCCUPANCY SENSOR. BY WATT STOPPER OR APPROVED EQUAL. PROVIDED WITH NUMBER OF SWITCH PACKS AS REQUIRED AND ALL OTHER REQUIRED ACCESSORIES FOR PROPER INSTALLATION.
S _{Lv}	LOW VOLTAGE OVERRIDE SWITCH FOR LIGHTING CONTROLS, 46" A.F.F. PROVIDE LOW VOLTAGE WIRING AS REQUIRED. COORDINATE WITH LIGHTING CONTROL MANUFACTURER.

POWER

	DUPLEX GROUNDING TYPE RECEPTACLE, 20A, 125 VOLT, NEMA 5-20R, 18" A.F.F., U.O.N..
	(2) DUPLEX GROUNDING TYPE RECEPTACLES IN COMMON BOX, 20A, 125 VOLT, NEMA 5-20R, 18" A.F.F, U.O.N
	DUPLEX ISOLATED GROUNDING TYPE RECEPTACLE, 20A, 125 VOLT, NEMA 5-20R, 18" A.F.F., U.O.N.. RECEPTACLE BODY SHALL BE ORANGE.
	DUPLEX GROUND FAULT INTERRUPTER TYPE RECEPTACLE, 20A, 125 VOLT, NEMA 5-20R, 18" A.F.F., U.O.N.
	WEATHER RESISTANT RATED, DUPLEX GROUND FAULT INTERRUPTER TYPE RECEPTACLE, MOUNT HORIZONTALLY 18" A.F.F., U.O.N., IN CAST OUTLET BOX WITH GASKET DEVICE COVER.
	DUPLEX GROUNDING TYPE RECEPTACLE, 20A, 125 VOLT, NEMA 5-20R. MOUNT HORIZONTALLY 6" A.F.F. FOR WATER COOLER.
	SPECIAL RECEPTACLE, AMPERAGE, AND VOLTAGE AS INDICATED, 18" AFF, UON.
	PROVIDE COMBINATION USB CHARGER AND TAMPER RESISTANT RECEPTACLE. LEVITON DEVICE #15632. COORDINATE LOCATIONS WITH ARCHITECT.
	RECEPTACLE/TELEPHONE/DATA OUTLETS, FLUSH MOUNT IN FLUSH MOUNTED FLOOR BOX WITH RUBBER OR THERMOPLASTIC CARPET COVER PLATE. PROVIDE NUMBER AND TYPE OF DEVICES PER PLANS. COORDINATE DEPTH OF FLOOR BOX WITH SLAB DEPTH. COORDINATE EXACT LOCATION WITH ARCHITECT. PROVIDE 3/4" CONDUIT WITH CONDUCTORS INDICATED FOR SERVICE TO RECEPTACLE OUTLET. PROVIDE (1) 1-1/4" CONDUIT WITH PULLWIRE FROM EACH SPECIAL SYSTEMS OUTLET TO ABOVE NEAREST ACCESSIBLE CEILING FOR SPECIAL SYSTEM WIRING BY OTHERS.
	PANELBOARD
A-1	ELECTRICAL CIRCUIT RUN IN CONDUIT AND CIRCUIT HOMERUN TO PANELBOARD (PANEL AND CIRCUIT DESIGNATION AS INDICATED). AS A MINIMUM CONDITION, EACH SINGLE PHASE CIRCUIT SHALL HAVE ONE #12 PHASE CONDUCTOR, ONE #12 NEUTRAL CONDUCTOR, AND ONE #12 GROUNDING CONDUCTOR (PLUS ONE INSULATED, ISOLATED GROUNDING CONDUCTOR WHEN SERVING ISOLATED GROUND TYPE DEVICES) IN 1/2" CONDUIT. PROVIDE ADDITIONAL PHASE CONDUCTORS AS REQUIRED FOR "MULTIPLE PHASED" ELECTRICAL LOADS. PROVIDE ADDITIONAL "SWITCH LEG" CONDUCTORS TO PROVIDE THE LIGHT FIXTURE CONTROL INDICATED. MULTIPLE SINGLE PHASE CONDUCTORS SHALL BE GROUPED TOGETHER IN A COMMON CONDUIT IN ACCORDANCE WITH THE NEC AND AT THE CONTRACTOR'S DISCRETION. MULTIPLE SINGLE PHASE CONDUCTORS SERVING ISOLATED GROUND RECEPTACLES SHALL NOT SHARE COMMON NEUTRALS. NEUTRAL AND GROUNDING CONDUCTORS SHALL BE SHARED AS ALLOWED BY THE NEC. BRANCH CIRCUIT CONDUCTORS IN CONDUIT SHALL BE RUN CONCEALED IN WALLS AND/OR ABOVE CEILINGS, IN/OR BELOW FLOORS, EXCEPT IN EXPOSED CONSTRUCTION AREAS. FLUORESCENT LIGHTING CIRCUITS SERVING SWITCHED FIXTURES WITH EMERGENCY BATTERY BACK-UP SHALL CONTAIN ONE UNSWITCHED CONDUCTOR. FLUORESCENT DIMMING CIRCUITS SERVING DIMMING BALLASTS SHALL BE PROVIDED WITH WIRING AS REQUIRED BY BALLAST MANUFACTURER. MULTIPLE PHASE LIGHTING CIRCUITS SERVING DIMMED LOADS SHALL NOT SHARE COMMON NEUTRALS.
	JUNCTION BOX.
	DISCONNECT SWITCH, 240 OR 600 VOLTS AS REQUIRED. AMPS, POLES AND FUSING AS NOTED, NEMA 1, U.O.N.
SM	MOTOR RATED SWITCH. MOUNT WITHIN SIGHT OF EQUIPMENT.
	MOTOR CONNECTION, WITH INTEGRAL DISCONNECTING MEANS.
	STARTER
	KEYNOTE.

SPECIAL SYSTEMS

	TELEPHONE/DATA OUTLET 18" A.F.F., U.O.N. DOUBLE GANG BOX WITH DEVICE PLATE. PROVIDE 1" (UON) CONDUIT WITH PULLWIRE FROM OUTLET TO ABOVE ACCESSIBLE CEILING. PROVIDE WITH SINGLE GANG ADAPTER.
	TELEPHONE OUTLET 18" A.F.F., U.O.N. DOUBLE GANG BOX WITH DEVICE PLATE. PROVIDE 3/4" (UON) CONDUIT WITH PULLWIRE FROM OUTLET TO ABOVE ACCESSIBLE CEILING. PROVIDE WITH SINGLE GANG ADAPTER.
	TELEVISION OUTLET 18" A.F.F., U.O.N. SINGLE GANG BOX WITH DEVICE PLATE. PROVIDE 3/4" (UON) CONDUIT WITH PULLWIRE FROM OUTLET TO ABOVE ACCESSIBLE CEILING.
	TELEPHONE/TELEVISION BACKBOARD, 4' X 4' X 3/4" THICK EXTERIOR GRADE PLYWOOD. MOUNT VERTICALLY WITH BOTTOM OF PLYWOOD 6" A.F.F., U.O.N.

RICKMAN
ARCHITECTURE +
DESIGN

224 W MONTGOMERY ST
VILLA RICA, GA 30180
radga.com
678 282 7974

PROJECT

Neva Pavilion

XXX PROJECT ADDRESS

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JOB #

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DATE

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SHEET TITLE

Electrical
Notes and
Legend



237 Galleria Parkway
Suite 1150
Atlanta, GA 30339
404-965-1287 tel
404-601-9859 fax
coulanger@westside-engineering.com

RICKMAN
ARCHITECTURE +
DESIGN

224 W MONTGOMERY ST
VILLA RICA, GA 30180
radga.com
678 282 7974

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
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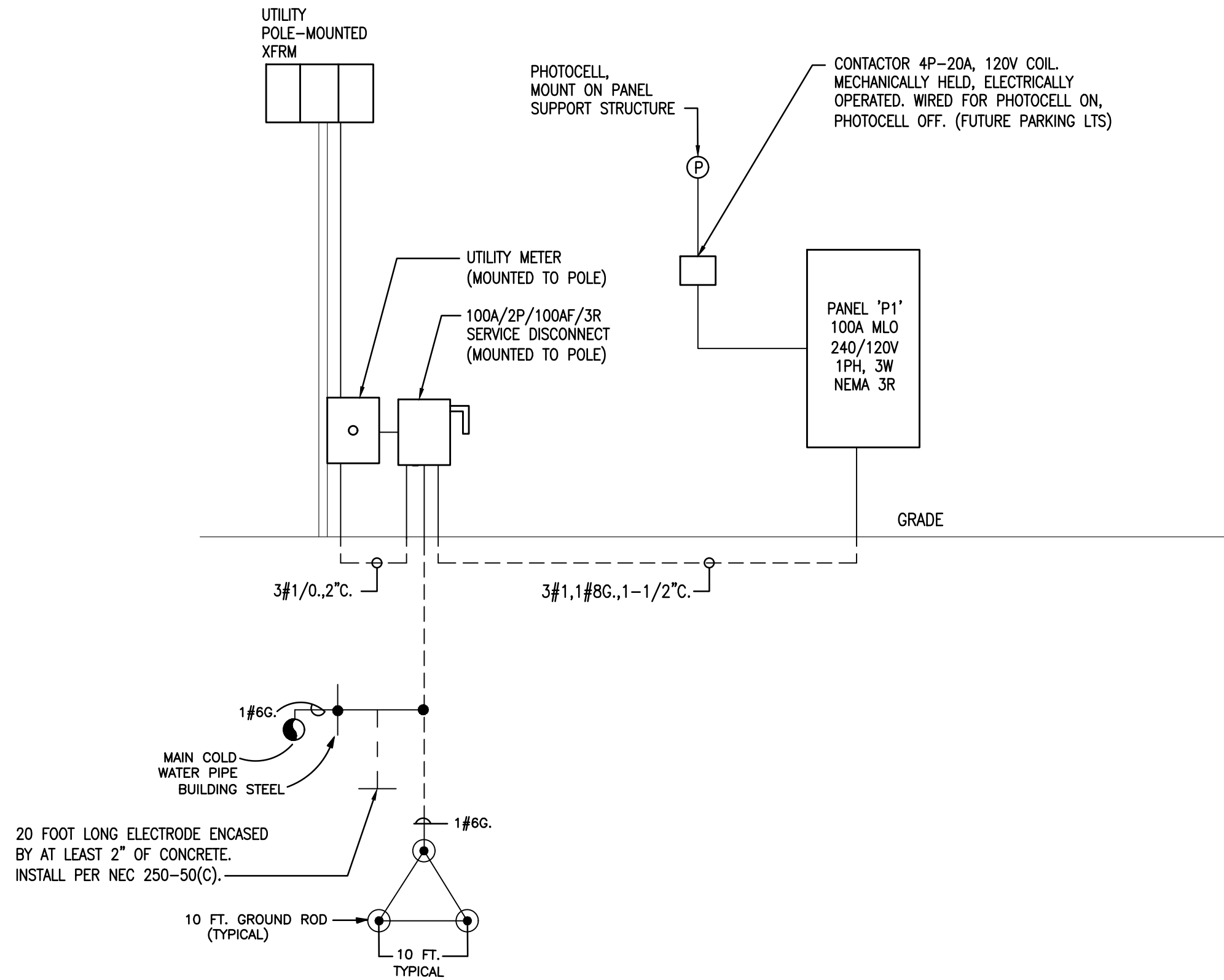
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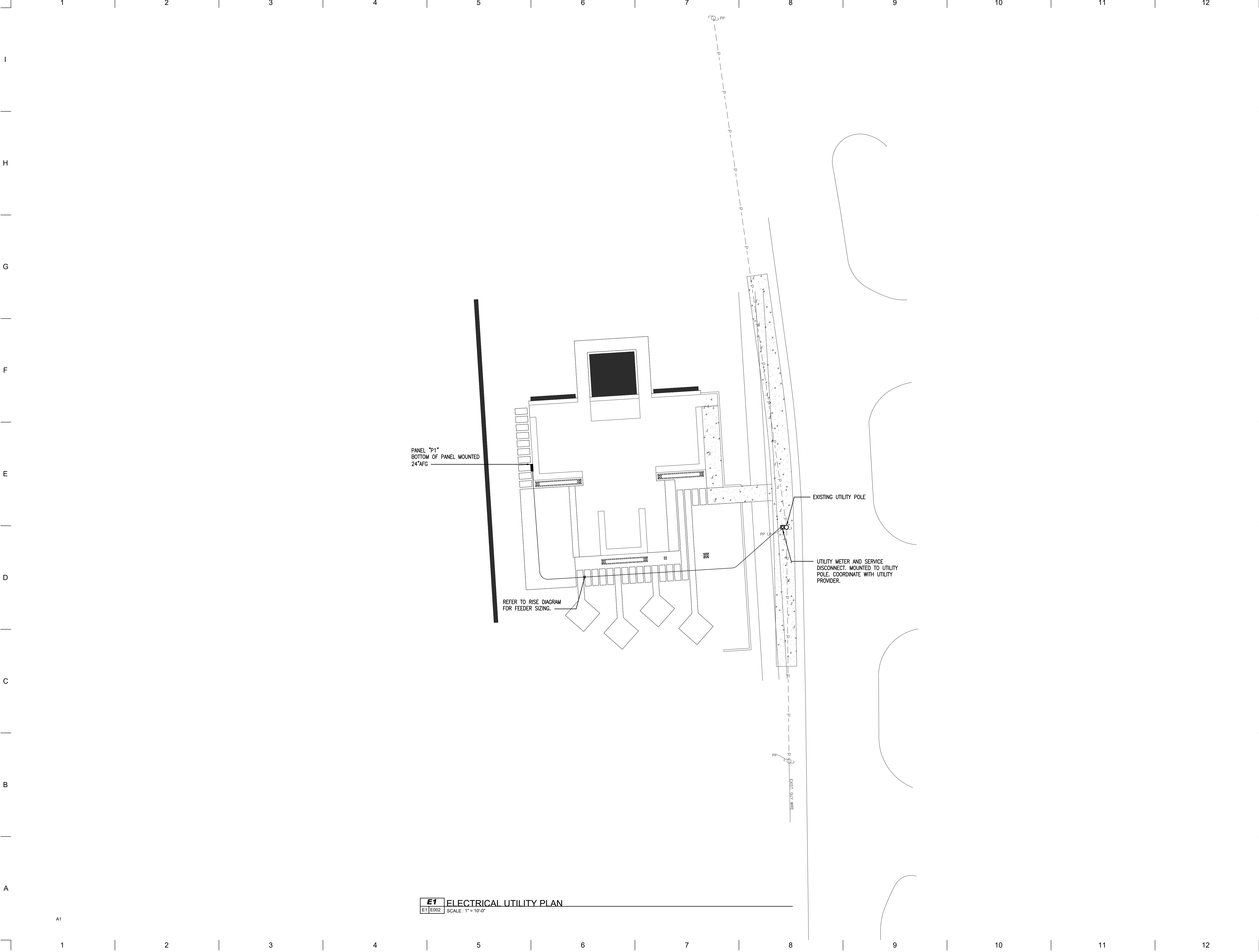
Electrical
Schedules
and Riser

LIGHTING FIXTURE SCHEDULE								
TYPE	DESCRIPTION	MOUNT	VOLTAGE	LAMP QTY	LAMP WATTAGE/ TYPE	MANUFACTURER	CATALOG NUMBER	NOTES
L1	6'-0" LINEAR FIXTURE. WET LOCATIONS LISTED.	SURFACE	120	-	36W LED 3500K	MARK ARCHITECTURAL LIGHTING	SL4L-LOP-6-FLP-X-80-3500-600LPF-WL	1
L2	FLEXIBLE. TAPE LIGHTING. WET LOCATIONS.	SURFACE	12V	-	4.4W/FT LED 3500K	MODA LIGHT	AQUA EDGE.	2
	EMERGENCY BATTERY PACK. WET LOCATIONS LISTED.	WALL	120		FURN WITH UNIT	LITHONIA LIGHTING	ELMRW	
NOTES: 1. COORDINATE MOUNTING METHOD WITH ARCHITECT PRIOR TO ORDERING TRIM KIT. COORDINATE WET LOCATIONS LISTING WITH MANUFACTURER. 2. COORDINATE REQUIRE RUN LENGTHS WITH FIXTURE LENGTHS SHOWN ON ARCHITECTURAL DOCUMENTS. PROVIDE QUANTITIES AND FIXTURE LENGTHS NECESSARY TO PROVIDE CONTINUOUS ILLUMINATION ALONG ENTIRE RUNS INDICATED. PROVIDE LOW-VOLTAGE TRANSFORMERS AND CONNECTORS AS REQUIRED. ALL ELECTRICAL INFRASTRUCTURE TO BE CONCEALED.								

PANELBOARD SCHEDULE P1																													
MAIN: 100 A MLO										VOLTAGE: 240/120 1 PHASE 3 WIRE										AIC 22,000					MOUNTING: SURFACE				
		LOAD (KVA)										LOAD (KVA)																	
CKT #	DESCRIPTION	LTG	REC	MTR	A/C	HTG	KIT	WH	NON CON	BKR TYP	TRIP/ POLE	PHAS E	TRIP/ POLE	BKR TYP	LTG	REC	MTR	A/C	HTG	KIT	WH	NON CON	DESCRIPTION	CKT #					
1	PAVILION RECEPTACLES			0.7							20/1	A	20/1											SPARE	2				
3	PAVILION RECEPTACLES			0.5							20/1	B	20/1											SPARE	4				
5	PAVILION RECEPTACLES			0.4							20/1	A	20/1											SPARE	6				
7	PAVILION LIGHTING		1.0								20/1	B	20/1											SPARE	8				
9	SPARE										20/1	A	20/1											SPARE	10				
11	SPARE										20/1	B	20/1											SPARE	12				
13	SPARE										20/1	A	20/1											SPARE	14				
15	SPARE										20/1	B	30/2				2.0							WATER FEATURE PUMP	16				
17	SPARE										20/1	A	---				2.0							-----	18				
LIGHTING: 1 (KVA)										CONNECTED LOAD (KVA): 6.6										DEMAND PER PHASE (AMPS): 16.4 A									
RECEPTACLES: 1.62										DEMAND LOAD (KVA): 6.9										DEMAND PER PHASE (AMPS): 21.2 B									
MOTORS: 4																													
A/C: 0																													
HEATING: 0										CONNECTED LOAD (AMPS): 27.6										CONNECTED PER PHASE (AMPS): 14.3 A									
KITCHEN: 0										DEMAND LOAD (AMPS): 28.6										DEMAND PER PHASE (AMPS): 21.2 B									
WATER HEATER: 0																													
DEDICATED/NONCONTINUOUS: 0										PANEL AMPACITY REQUIRED: 28.6																			
NOTES: NEMA 3R PANELBOARD										BREAKER TYPES: G=GFCL, A=AFCL, SH=SHUNT TRIP, SW=SWITCHED NEUTRAL																			



E1 ELECTRICAL RISER DIAGRAM
E1 E001 SCALE: N.T.S.



WESTSIDE
ENGINEERING
ARCHITECTURE

237 Galleria Parkway
Suite 1150
Atlanta, GA 30339
404-965-1287 tel
404-601-9859 fax
central@westside-engineering.com

RICKMAN
ARCHITECTURE +
DESIGN

224 W MONTGOMERY ST
VILLA RICA, GA 30180
radga.com
678 282 7974

PROJECT

Neva Pavilion
XXX PROJECT ADDRESS

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REVIEWED BY: MR

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GEORGIA
REGISTERED
No. 027956
PROFESSIONAL
ENGINEER
CHARLES C. ESSLINGER

JOB #

21124

PHASE

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DATE

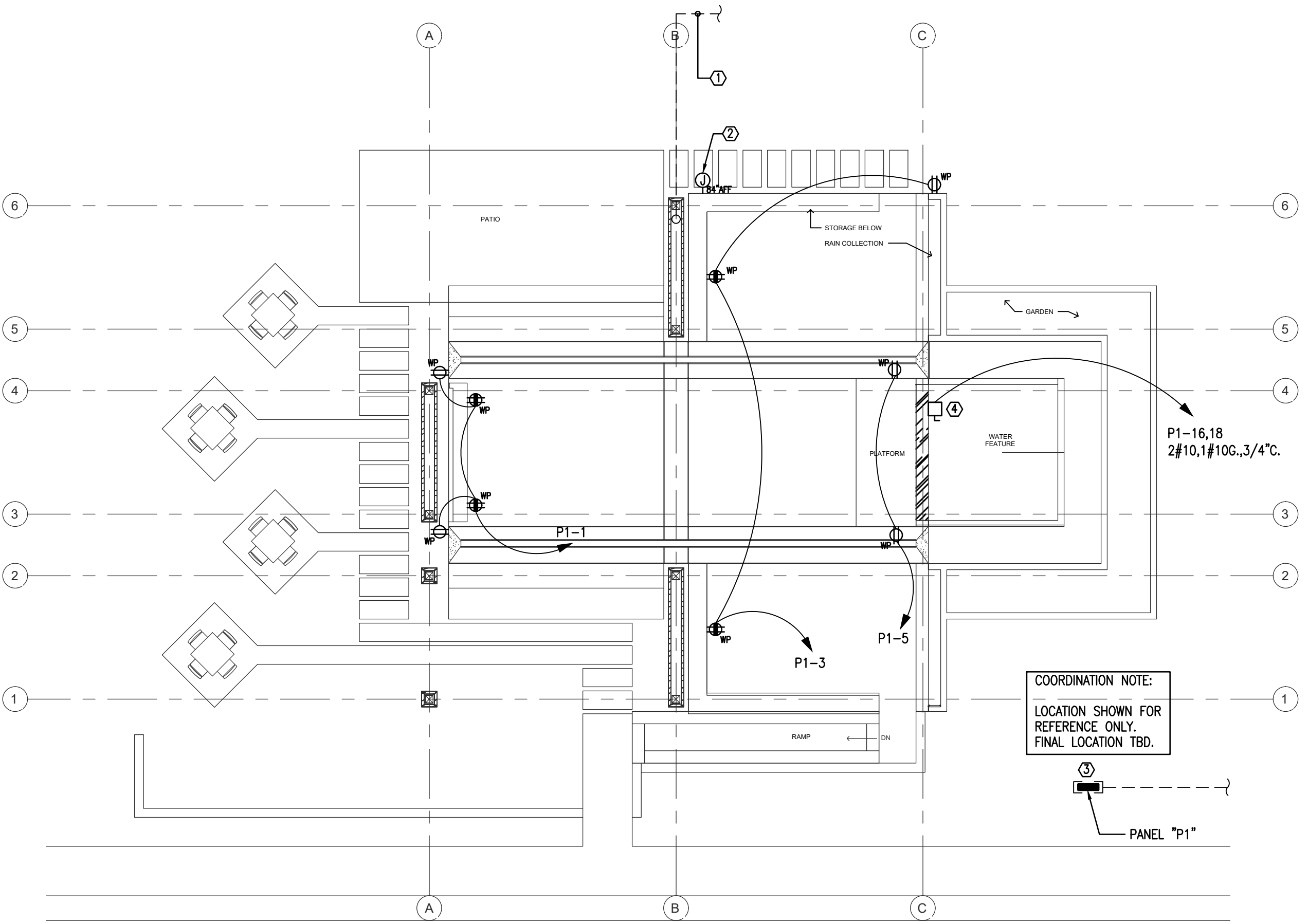
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SHEET TITLE

**Electrical
Utility Plan**

A1

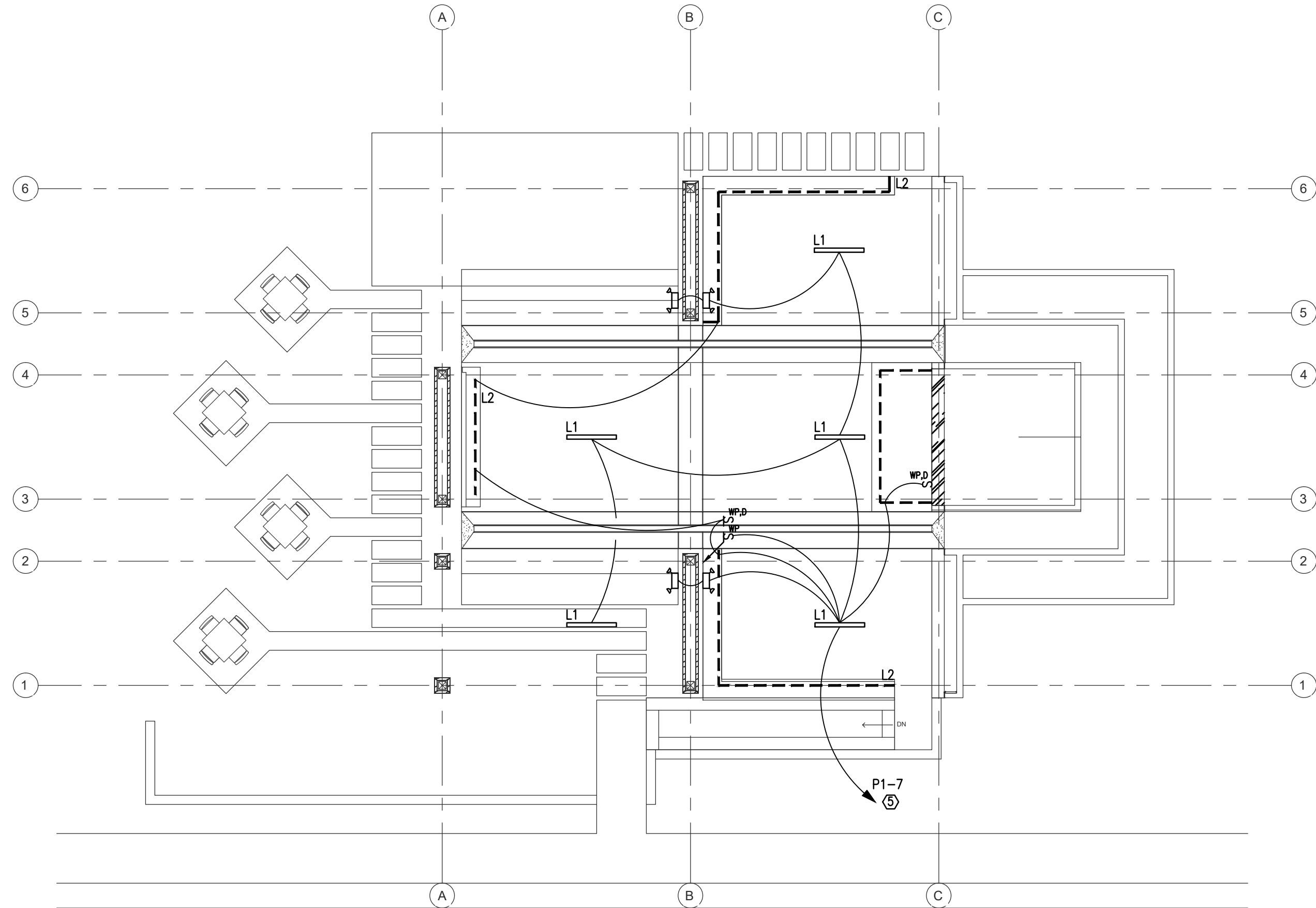
E002



E1 Floor Plan - Power
E1 | E200 SCALE: 1/8" = 1'-0"

KEYNOTES:

- ① ROUTE 2" CONDUIT UNDERGROUND FROM LIBRARY MAIN BUILDING FOR LOW-VOLTAGE CABLING. COORDINATE RUN LENGTH, ROUTING AND CONNECTION POINT WITH OWNER'S IT REPRESENTATIVE. STUB UP WITHIN PAVILION WALL.
- ② PROVIDE JUNCTION BOX FOR INSTALLATION OF WIRELESS ACCESS POINT BY OTHER.
- ③ PANELBOARD STRUCTURE. REFER TO RISER DIAGRAM.
- ④ ALTERNATE PRICING NOTE:
PROVIDE SEPARATE ALTERNATE PRICE TO PROVIDE CONNECTION TO POTENTIAL WATER FEATURE PUMP. SIZING INDICATED ON PLANS IS APPROXIMATE. COORDINATE WITH FINAL EQUIPMENT PROVIDED.
- ⑤ ROUTE THROUGH LIGHTING CONTACTOR FOR TIMECLOCK CONTROL.



E2 Floor Plan - Lighting
E2 | E200 SCALE: 1/8" = 1'-0"

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REVIEWED BY: HR

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JOB #

21124

PHASE

Bid Documents

DATE

03/10/2023

SHEET TITLE

**Electrical
Plans**

E200

